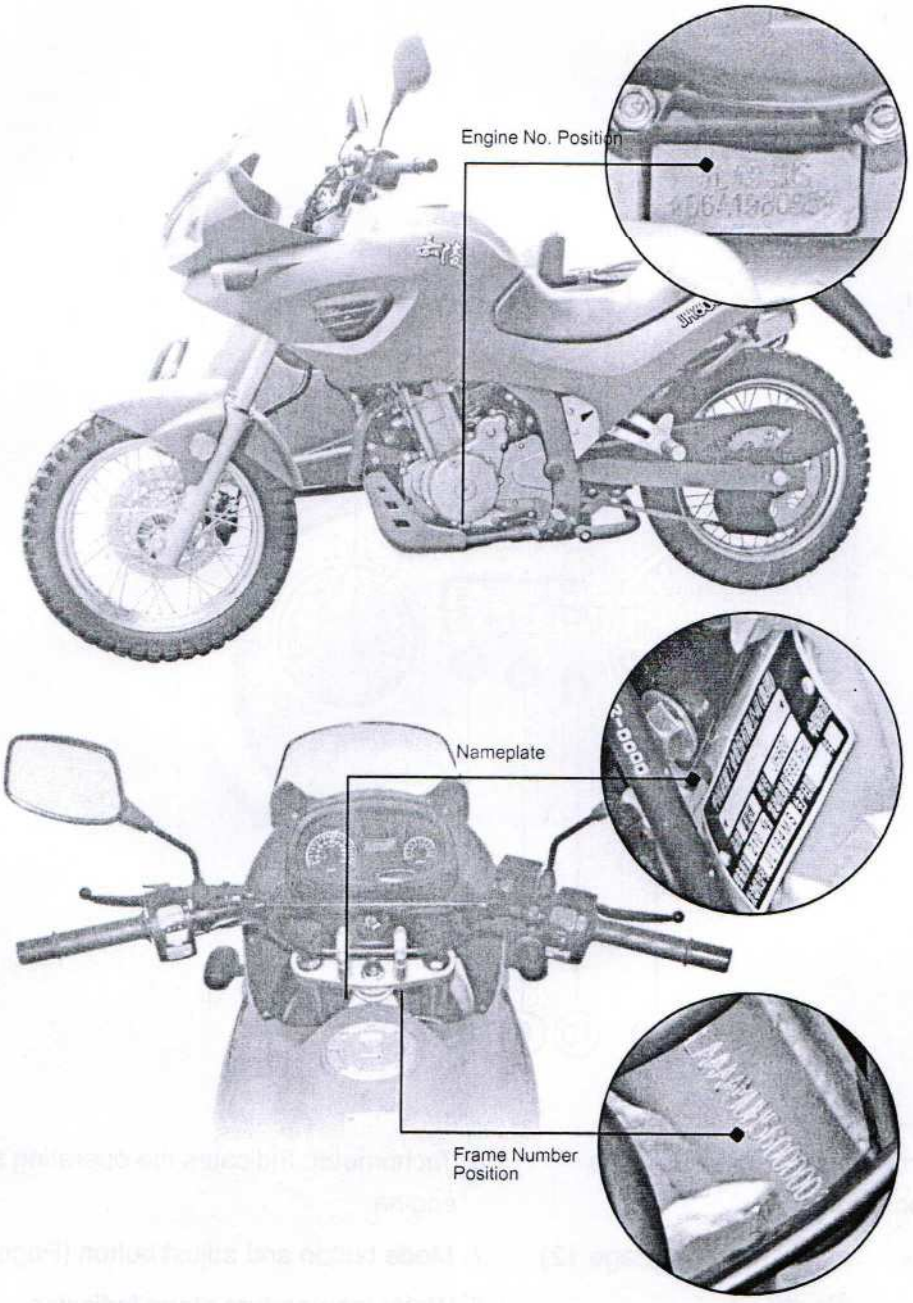
JIALING

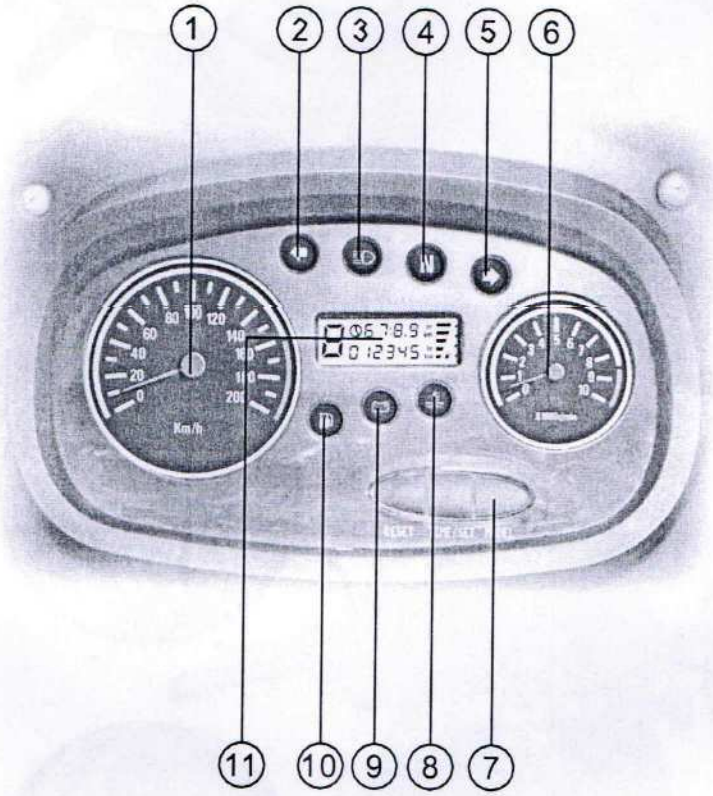
JH600B Users or Maintenance Manual

Finished Motorcycle and Operational Units



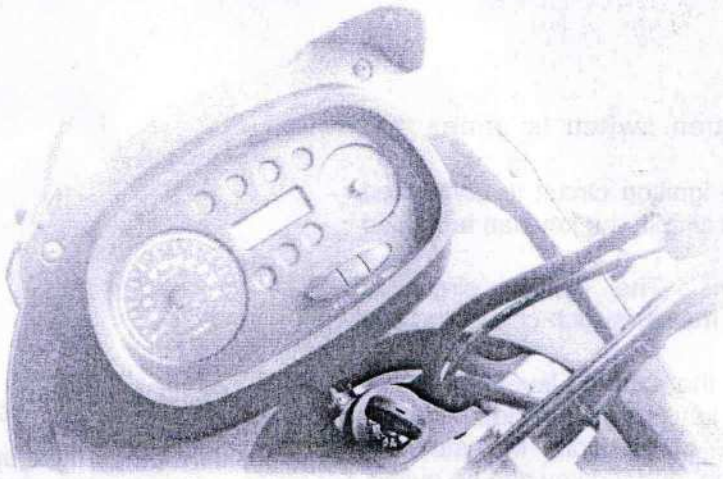
While mounting the nameplate, the number shall be provided in the form of rubbing by vehicle management department.

Finished Motorcycle and Operational Units



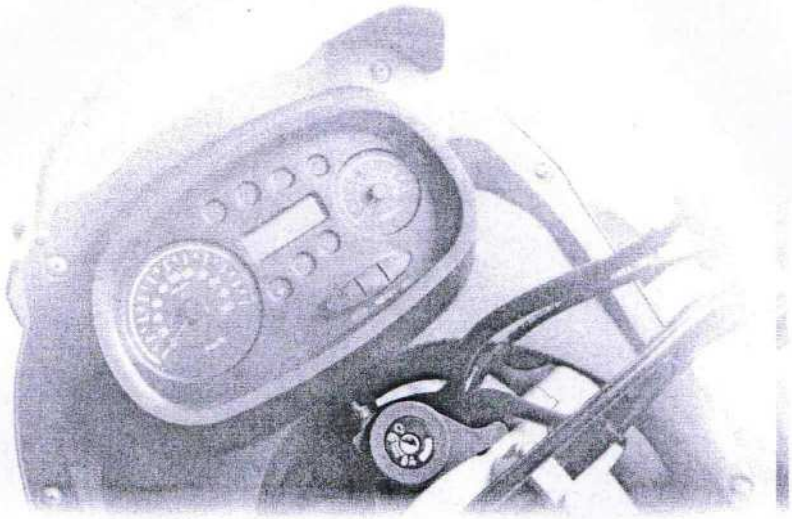
1. Speedometer: Indicates the instantaneous velocity of the motorcycle.
2. RH turn indicator: " ⇦" Green (Page 12)
3. Hi-beam indicator: " ≡D" (Blue)
4. Neutral gear indicator: "**N**" (Green)
5. RH turn indicator: " ⇨" Green (Page 12)
6. Tachometer: Indicates the operating speed of the engine.
7. Mode button and adjust button (Page 11)
8. Water temperature alarm indicator
9. Battery voltage alarm indicator
10. Fuel alarm indicator
11. LCD display

Finished Motorcycle and Operational Units



This motorcycle is equipped with a master key and a spare key.

The combined ignition switch, fuel tank lock and seat cushion lock can be operated with the same one key.



The combined ignition switch is under the instrument.

"⊠" Position: The ignition circuit is connected with the master switch circuit, the key can be pulled out

" ↷ " position: The ignition circuit is disconnected with the master switch circuit, the key can't be pulled out

"🔓" Position: Turn the steering lever left to the maximum, press the key the ⊠ position and turn counterclockwise to 🔓 position; the steering mechanism is locked up, and the key can be pulled out; to unlock the directional lock, simply insert the key and turn it in the opposite direction.

⚠

Note:

It is possible to lock up the steering mechanism only when the steering lever is at the far left end. When the motorcycle with sidecar is not in use, the steering mechanism needs to be locked up.

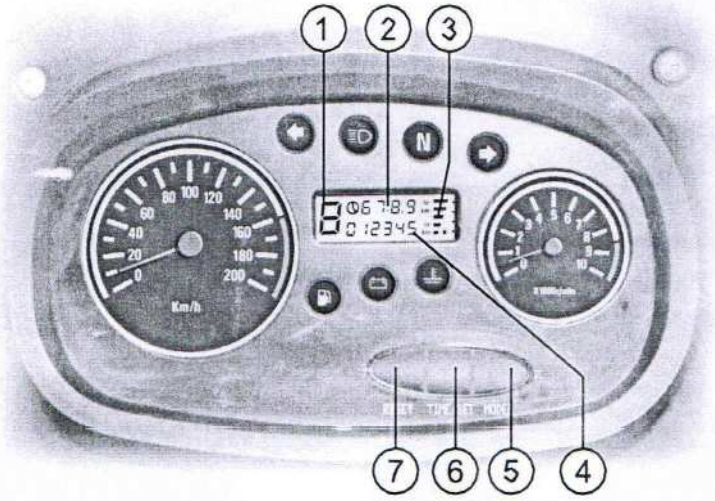
" ⊱ " Position: Insert the key and turn counterclockwise to the ⊱ position, the front and rear position lamps light up, and the key can be pulled out; the steering mechanism remains locked at this moment.

⚠

Note:

The stop light can only be used in a short period, and attention should be paid to the stored energy of the battery, otherwise the motorcycle may fail to be started.

Finished Motorcycle and Operational Units



LCD Display

1. Gear display
2. Clock (MODEL 1) / Short range driving distance (MODEL 2), Subtotal driving range (MODEL 3)
3. Fuel level display
4. Aggregate driving distance (MODEL 1 & MODEL 2) / Aggregate driving time (MODEL 3)

Three buttons on the dashboard:

5. "MODEL" button:

   By pressing this button, the LCD will circularly display MODEL 1, MODEL 2 and MODEL 3.

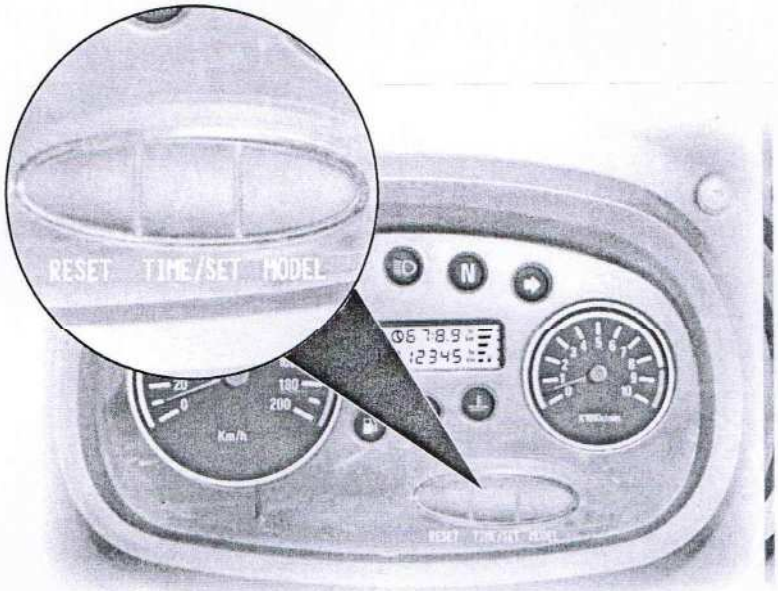
6 "TIME/SET" button (Page 11)

7. "RESET" button:

   When in MODEL 1, press this button to gradually increase the brightness of the LCD backlight source.

   When in MODEL 2, press this button to reset the short range travel distance.

   When in MODEL 3, press this button to reset the subtotal driving time.



When in MODEL 1 (Clock), press "TIME/SET" button to enter clock adjustment. Press and hold down the "SET" button for more than 2 seconds, the hour digit blinks; at this moment, short press the "SET" button, the number will increase incrementally, while long press the "SET" button, the number will increase rapidly.

Press and hold down the "SET" button for more than 5 seconds, the minute digit blinks; at this moment, short press the "SET" button, the number will increase incrementally, while long press the "SET" button, the number will increase rapidly.

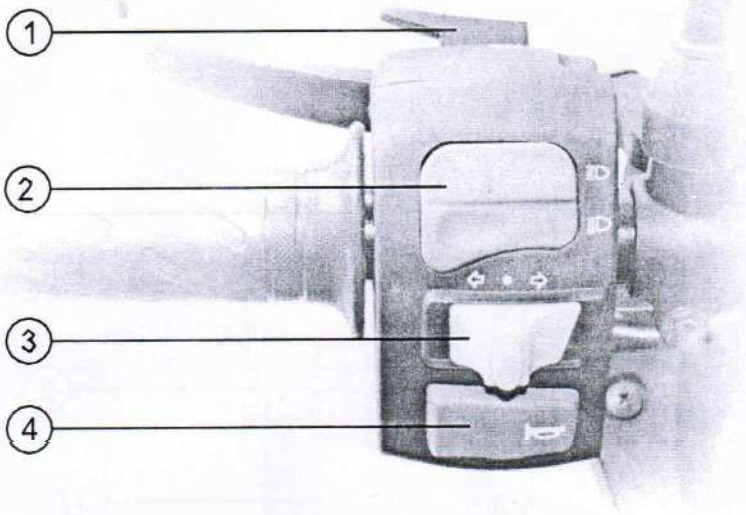
Stop pressing button for more than 5 seconds to complete adjustment.

Note:

When in MODEL 3, press the "TIME/SET" button to enter the failure code display. Do not enter this setting at will.

When in the failure code, press the "MODEL" button to exit.

Finished Motorcycle and Operational Units



1. Overtaking light button: Press this button, the hi-beam illuminates directly; release this button, the hi-beam goes out.

2. Headlight dimmer switch:

   When using this button, the lamp switch on the combination switch should be at ☼ position.

   : Low-beam

   : Hi-beam; the hi-beam indicator on the dashboard illuminates (blue).

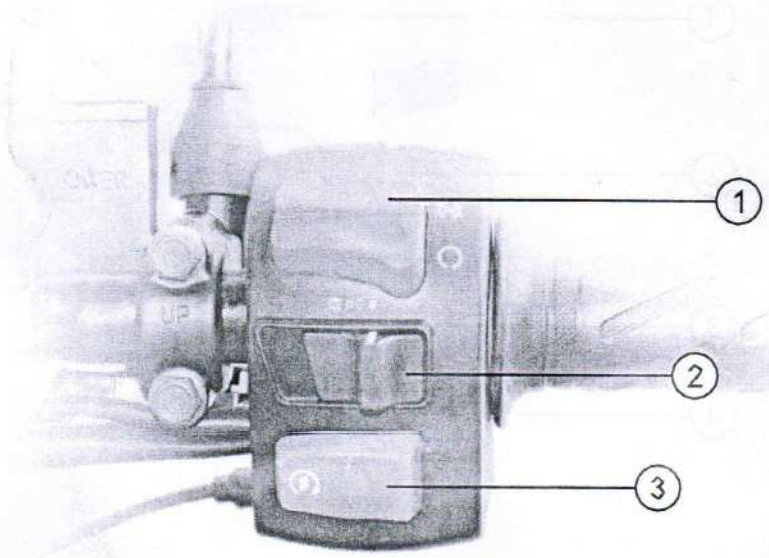
3. Turn signal switch:

   "⇦" Position: Front/Rear Left turn signal lamps; the LH turn signal lamp (green) blinks, and the flasher gives knocking sounds.

   "⇨" Position: Front/Rear RH turn signal lamps; the RH turn signal lamp (green) blinks, and the flasher gives knocking sounds.

To turn off the turn signal, simply push down the button in the center of the switch.

4. Horn switch: Press down the horn switch to honk; release this switch to stop honking.



1. Flameout switch:

"" Position: Ignition circuit switch. In case of emergency, press this button to make the running engine flame out. When the switch is set to this position, the engine does not start.

"" Position: Indicates the ignition circuit switched on.

2. Head lamp switch:

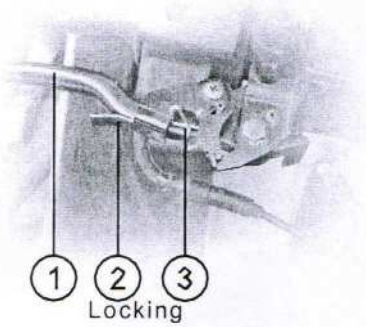
"" Position: The head lamp, instrument lamp and taillight illuminate.

"" Position: The position lamp, instrument lamp and taillight illuminate.

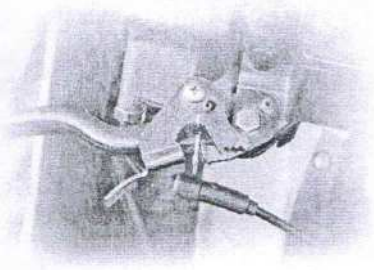
"" Position: The head lamp, position lamp, instrument lamp and taillight are turned off.

3. Electric starting button: "" (Page 38),

Finished Motorcycle and Operational Units



Locking


Unlocking

Parking Locking System

When parking on sloped road surface, the parking locking system is necessary for the safe parking of motorcycle.

1. Front brake handle
2. Parking locking handle
3. Safety handle

Locking

The parking system of the motorcycle with sidecar is on the front brake handle.

Park the motorcycle, and hold the front brake handle with your right hand;

Move the parking locking handle with your right forefinger to lock the front brake handle in the braking state. And finally move the safety handle in place to seize the parking locking handle.

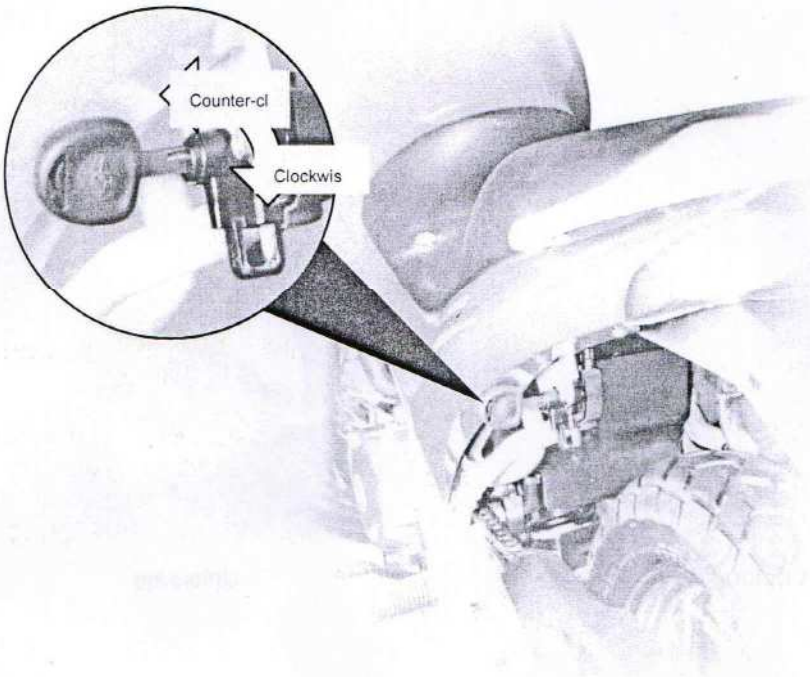
Unlocking

Before the motorcycle is started, move away the safety handle, firmly hold and release the front brake handle, and the parking locking handle will flip away automatically, that is to say, the front brake handle can be operated freely.

Warning:

When parking the motorcycle with sidecar, confirm the parking locking system is locked; and before starting, confirm the parking locking handle is unlocked.

When it is on the ground with bigger slope, confirm the parking reliability; and other external forces can be used to help parking.



To remove / lock the seat cushion

Insert the key into the keyhole and turn it clockwise in place, and pull the cushion to the up rear to open the cushion.

Insert the front end of the cushion into the shackle in place and gently press its rear end to make it clipped in the locker to lock the cushion.

To open / close the helmet

Insert the key into the keyhole and turn it counterclockwise to open the helmet hook. Turn it in the opposite direction to close the helmet hook.

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Safety Inspection

Before driving, certain inspections and maintenance must be carried out.

The following inspection items take only several minutes, saving not only time that would be spent troubleshooting when driving, but also ensuring safe driving.

※Fuel volume;

※ Engine oil level;

※ Clutch handle holder behavior;

※ Throttle control lever behavior;

※ Front / Rear brake pressure and brake fluid level;

※ Whether or not the front, rear and side wheel brakes function normally, and whether or not the brake shoe needs to be replaced.

※ Condition of rim and tire;

※ Condition of driving chain;

※ Engine Coolant;

※ Indicator light, warning light and various lightings;

※ Article carrying condition;

※ Check the flexibility and stability of the steering handle by turning it.

※ Check whether or not the fasteners of the front/rear wheel spindles, rear fork, damper, engine suspension and electrical component, etc. are loosened; if they are, fasten them.

In case of any abnormality, repair promptly or consult the designated service center for solutions.

⚠

Note:

The user should check the tightness and safety of the fuel passage, and whether or not the oil pipe line is loosened; if it is, re-tighten and re-mount;

The electric devices between the ignition coil and spark plug should be securely connected to prevent from safety accident due to the spark generated.

Safety Inspection

The grade of fuel used in this motorcycle is the lead-free gasoline of no less than 93#.

Note:

The leaded gasoline may damage the exhaust purifier.

Warning:

Before driving, check for sufficient fuel and check for fuel leakage. The fuel tank volume of this mode is about 19 L.

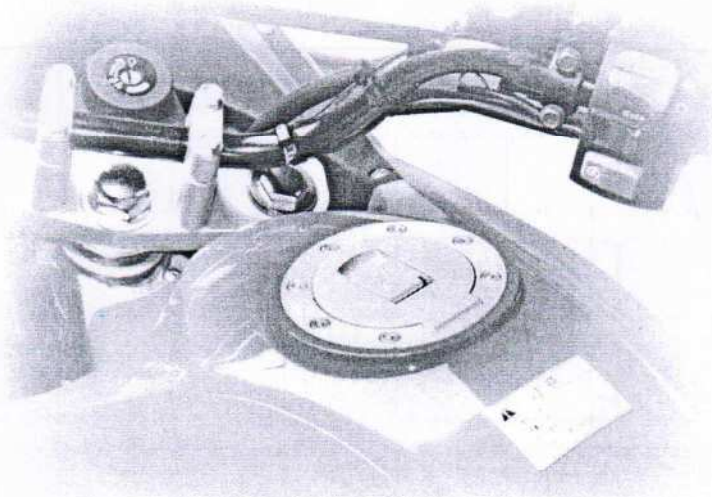
Do not drive until the fuel in the tank is exhausted, otherwise the risk of driving safety may be resulted in.

As a flammable product, gasoline can not be refilled until the engine is turned off at a well ventilated place. At the motorcycle filling station or places for gasoline storage, it is strictly prohibited to smoke or approach of any kind of fire source.

Note:

When the low-fuel warning light illuminates, refill fuel as soon as possible. The fuel reserve of this model is about 3 L.

Safety Inspection



To add fuel

Unlock the fuel tank lock:

Lift the dust cap and insert the key into the keyhole of the fuel tank, turn the key by 90 degree and pull it upwards;

Lock the fuel tank:

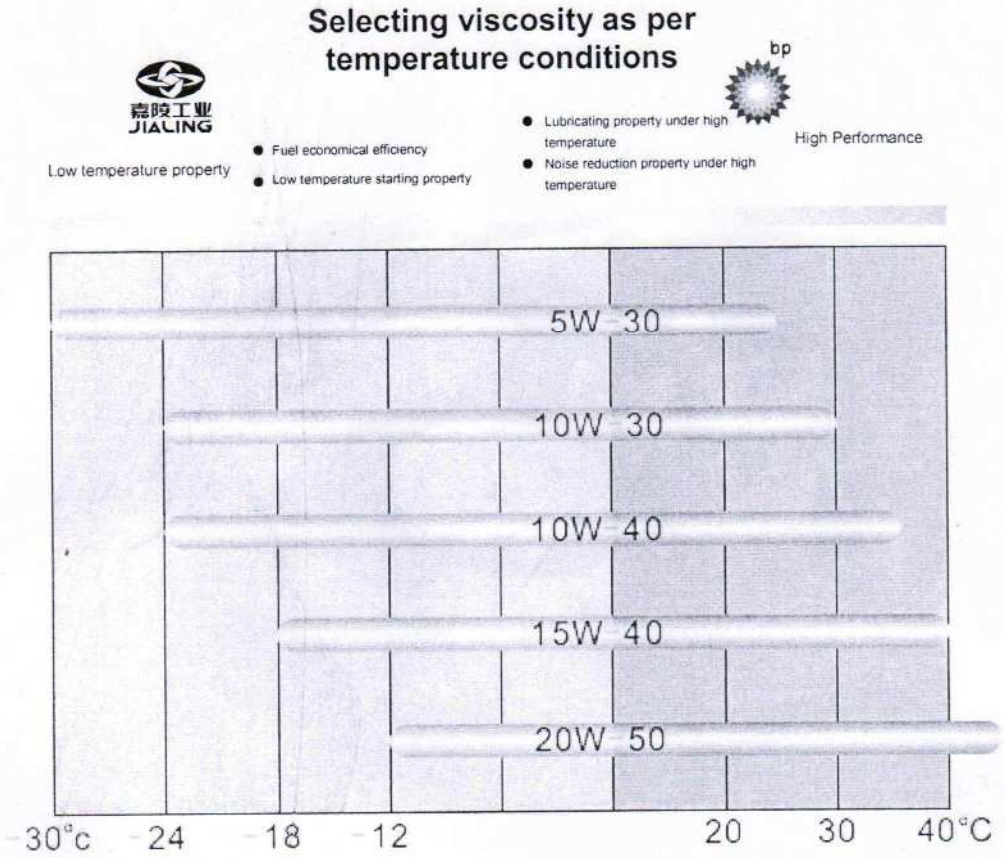
Press down the fuel tank cap in place and turn the key counterclockwise to lock the fuel tank.

⚠ Note:

The fuel level in the tank should not exceed the neck of the tank filler; after fuel refilling, lock the fuel tank cap correctly.

When refilling fuel into the fuel tank, a strainer should be added over the fuel tank filler; you can also especially carry out filtering prior to refilling.

Safety Inspection



Application of engine oil of high quality can safeguard the engine and prolong its service life. The initially added lubricant for this engine is the engine oil for four-stroke motorcycle provided by BP Company, with the grade being 10W/40SG. When you need to change engine oil, select the engine oil of SAE viscosity grade and SG quality grade or higher. The engine oil solely for JIALING motorcycle is recommended.

To sufficiently reflect the excellent performance of JIALING motorcycle and provide better protection for motorcycle user's seat, China JIALING Group and BP Company (British) have jointly developed the "special engine oil for BP-JIALING motorcycle".

The trademarks on the outer packing of the engine oil are:

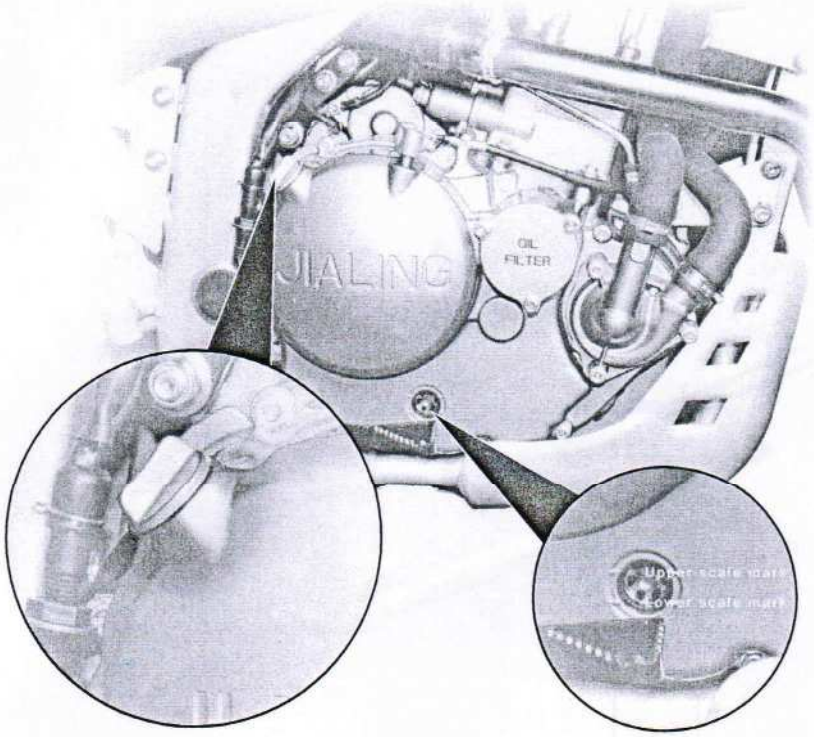
bp

嘉陵工业 JIALING

Warning:

Application of engine oil of poor quality will have an impact on the functional performance and life span of the motorcycle engine.

Safety Inspection



Note:

After a long period of use, the engine lubricant may be exhausted. It is necessary to check the lubricant level as per regulations and refill as required.

While checking the lubricant level, ensure operation is carried out upon stopping the engine after the engine's normal operating temperature is reached.

Park the motorcycle with sidecar on the plane ground and carry out inspection using the following methods:

① Place a small mirror into the gap between the sidecar and the motorcycle from the double seat cushion, observe from the position of the seat cushion the engine oil view reflected by the mirror;

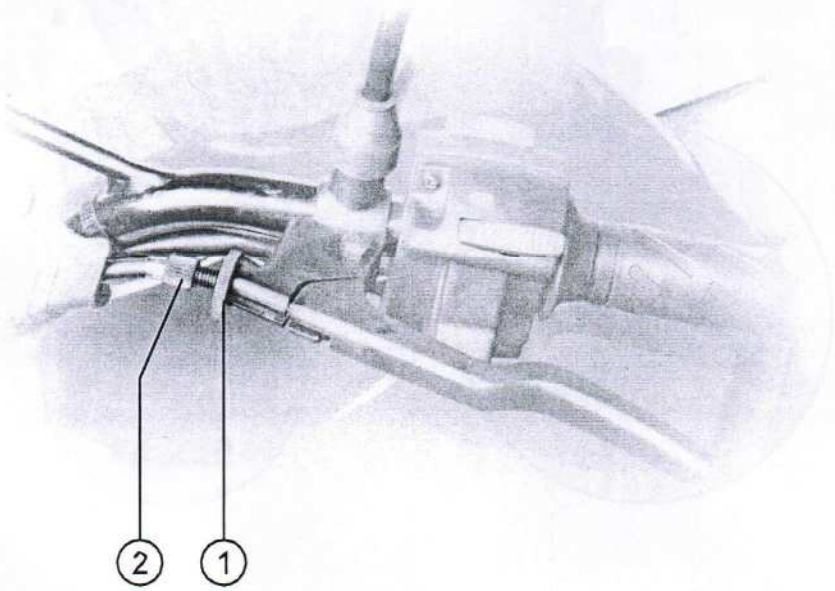
② Lean over to observe the engine oil view from lower left on the right hand side of the sidecar.

The lubricant within the service port shall be between the upper and lower scale marks. When the lubricant level is lower than the lower scale mark, add lubricant.

Unscrew the plug screw of the oil filling port and add lubricant of the specified grade up to the upper scale mark.

Screw down the plug screw of the oil filling port and start the engine, and confirm after stopping that the oil level complies with requirements. Check for fuel leakage.

Safety Inspection



If the free stroke of the clutch handle is too big, the clutch will separate incompletely; if too small, the clutch will combine poorly. This may cause damage to the clutch.

The free stroke of the clutch handle: 10-20mm.

To adjust the free stroke of the clutch handle

Loosen the lock nut ① and rotate the adjusting solenoid ② Fasten the lock nut when the free stroke of the clutch complies with requirements.

After the free stroke of the clutch handle is well adjusted, try riding the motorcycle for a certain distance and check whether the clutch engagement and detachment are reliable.

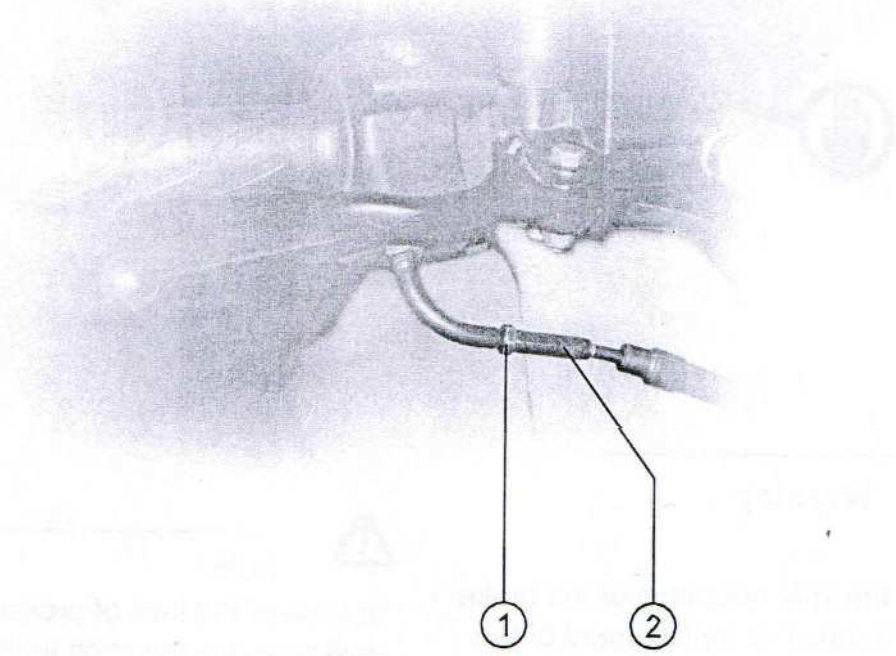
If the clutch is seriously worn or burnt, replace it, and such replacement shall be carried out by staff from the "JIALING-designated service center".

⚠

Note:

When using the clutch handle, the user should grasp or release it completely, and try to avoid grasping to half way or release to half way (half clutching), otherwise may cause clutch worn or burnt.

Safety Inspection



Inspection of fueller control line

Check whether the clutch handle can flexibly turn from full close to full open positions, and whether it can return reliably.

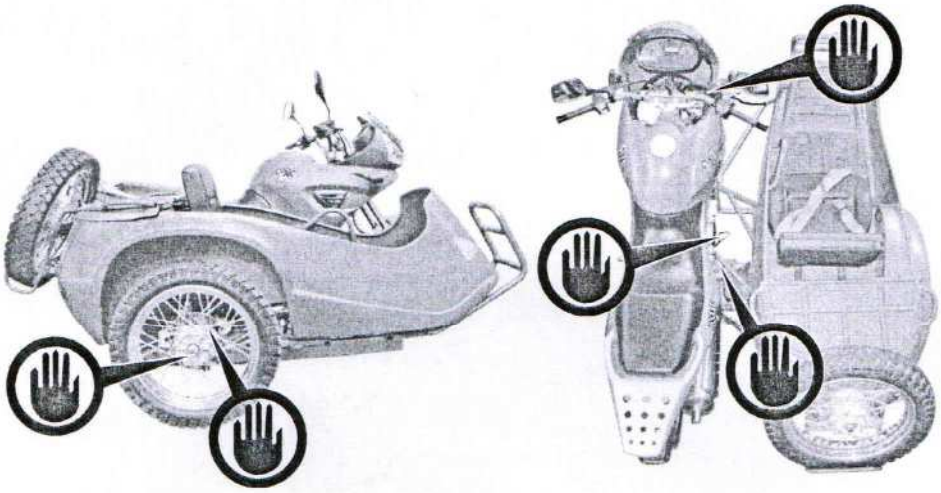
Check whether or not the throttle control line between the fueller handle and the throttle body is intact. If the control line is twisted off, clogged or routed improperly, change the control line or rewire it.

Adjustment of fueller handle's free stroke

The free stroke of the fueller handle is 2-6 mm.

Unscrew the lock nut① and then turn the adjusting solenoid② to adjust the free stroke of the fueller handle; fasten the lock nut after adjustment is completed.

Safety Inspection



Warning:

To ensure the safe operation of the brake system, the repair or replacement of the brake system shall be carried out only by staff from "JIALING-designated Service Center.

Before each driving, check:

※Pressures of the front / rear brake pedals

※ Level of hydraulic oil cup;

※ Check the hydraulic oil cup, hydraulic brake hose and all connecting pieces for leakage.

※Wear conditions of front / rear / side brake pads and discs.

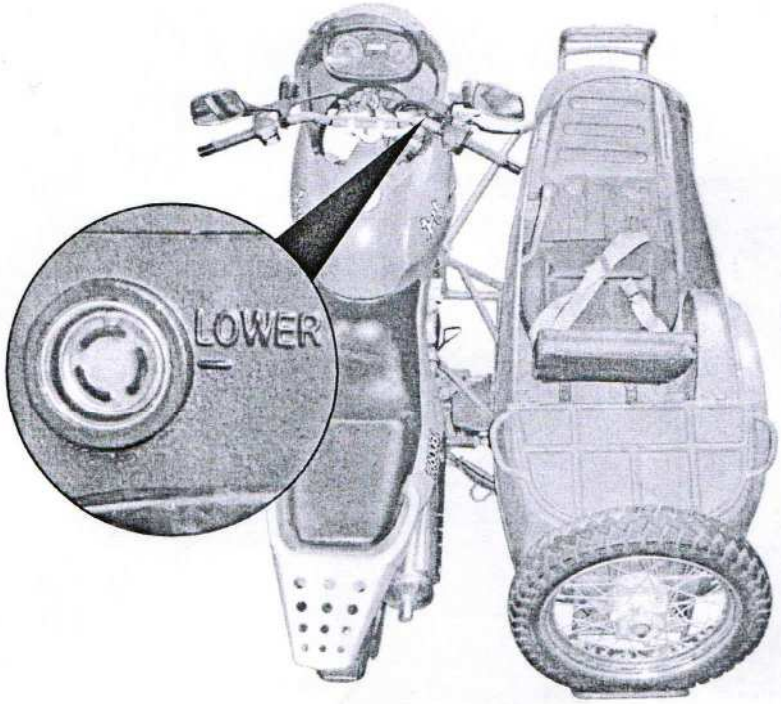
※Whether or not the front, rear and side wheel's hydraulic brakes function normally.

Note:

In case of the lack of pressure in the control device or any question to the use of the brake system, do not ride the motorcycle, consult the JIALING-designated service center and make inspection promptly.

Since the hydraulic disc brake operates at high temperature, the replacement of brake pad and brake fluid should not exceed the requirement as specified so as to ensure the safety and reliability of the brake.

Safety Inspection



The grade of the brake hydraulic oil is: DOT4 non-petroleum base brake fluid.

Instructions:

The normal wear of brake may lower the level of hydraulic oil in the brake oil cup.

Check front brake fluid level

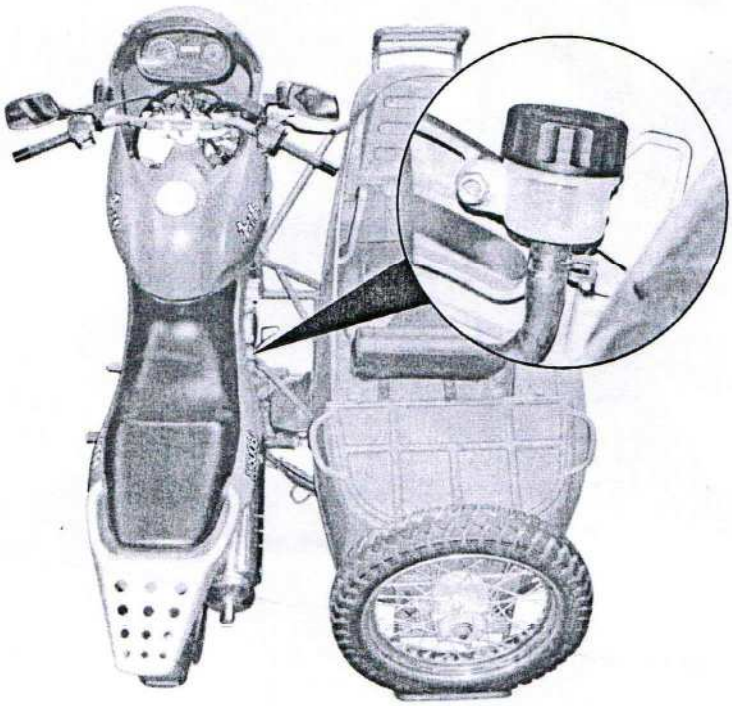
Place the motorcycle with sidecar on the level ground. Check the level of hydraulic oil in the front brake oil cup.

When the oil level is lower than the scale "LOWER", add the specified hydraulic oil promptly.

Warning:

The brake fluid is strongly corrosive, never splash it onto the surfaces of painted or plastic pieces; in case it splashes into the eyes or on the skin, immediately flush with large amounts of fresh water and see a doctor.

Nonconforming brake fluid may result in braking failure. Go to the local JIALING-designated service center to replace and add hydraulic oil.



Instructions:

The normal wear of the brake may lower the level of the hydraulic oil in the brake oil cup.

Check rear brake fluid level

Place the motorcycle up-right, and observe the level of brake fluid. MAX: Highest level. MIN: Lowest level.

Warning:

It is not allowed to be lower the mark "MIN" (Lowest) on the rear brake oil cup.

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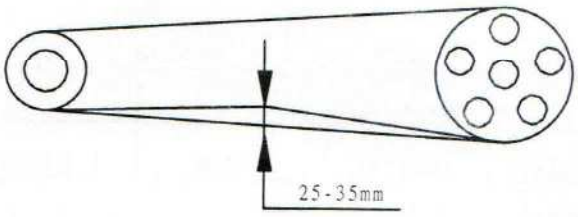


Vertical sag

Place the motorcycle with sidecar on the level ground with the engine gear at neutral position, and turn off the combined ignition switch.

Jack up the motorcycle with a jack to lift the rear wheel above the ground.

Check the vertical sag of the driving chain by placing fingers between the driving chains and swinging them up and down, and the rated value of its vertical sag is 25-35 mm.

If the sag of the driving chain is beyond the specified range, adjustment should be made.

Inspect the abrasion of all chain units of the driving chain. In case of poor lubrication, add lubricant; in case of defect chain units, excessive wear, etc., replace them.

Inspect the abrasion of the large and small sprocket wheels. In case of serious tooth abrasion, teeth missing or broken teeth, replace it.

⚠ Note:

If the slag of the chain is too small, the chain may easily get worn; if too big, it may easily generate noise and affect the driving safety.

Safety Inspection

Tire specifications and tire pressure						
Tire specification	Front tire			Rear tire		Side tire
	4.10-18 75P			4.10-18 75P		4.10-18 75P
Tire pressure	Normal load			Full load		
	Front tire	Rear tire	Side tire	Front tire	Rear tire	Side tire
	300KPa	360KPa	320KPa	350KPa	450KPa	380KPa

Note:

Before driving, check the tire pressure, tire abrasion degree, cutting trace and insertion of nail or other sharp objects; check the tire and wheel rim for depression or deformation; check the wheel rim spokes for degree of tightness. If any defect is found, go to the service center for inspection or replacement.

Inspect the pressure of front / rear tires

The inspection of tire pressure should be carried out in the state of "cold tire".

Correct tire pressure will guarantee optimum driving stability and comfort as well as prolong the tire's service life.

Incorrect tire pressure may cause abnormal abrasion of tire, inner / outer tire damage and tire separating with wheel rim. In extreme cases, it may result in safety accident.

Safety Inspection

Check tire tread

Bottom-line of the tire tread abrasion in the center of outer tire		
Outer tire of front wheel: 2.5mm	Outer tire of rear wheel: 2.5mm	Outer tire of side wheel: 2.5mm

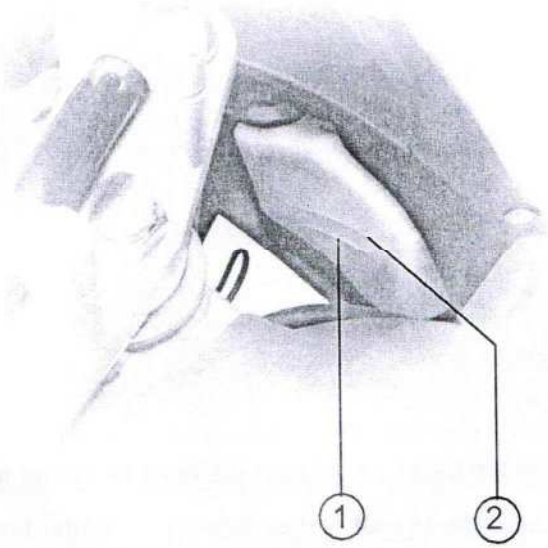
⚠ Note:

Using over worn tire is extremely dangerous, probably affecting the pulling force, stability, steering and controlling. When the tire tread in the center of the tire reaches the specified limit, change the tire immediately.

Check the wheel rim

⚠ Note:

For every 1000km's driving, check the degree of tightness of the spokes to ensure driving safety.



Check the level of coolant in the hydraulic accumulator; when it is lower than the lower scale mark①, add conforming coolant to raise the level to the upper scale mark of the hydraulic accumulator②.

The coolant should be prepared according to the specified proportion, i.e. the antifreeze agent and distilled water occupy 50% respectively. Never add only antifreeze agent or only distilled water.

In case the hydraulic accumulator is exhausted, check the coolant level in the radiator reservoir, too.

Warning:

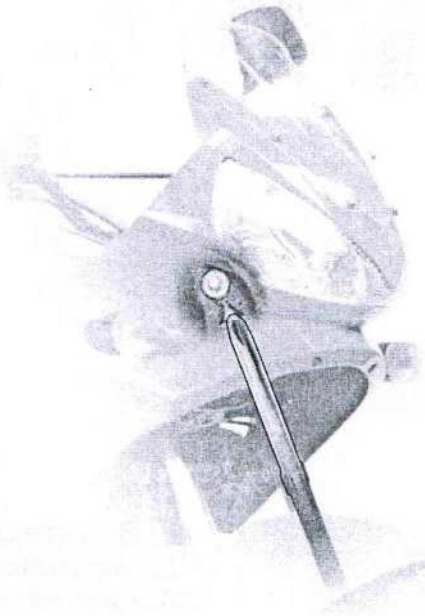
If the engine is not completely cooled down, it is strictly prohibited to open the coolant cap; otherwise the coolant may blow off thus causing serious burn injury. Before opening the coolant cap, confirm both the engine and the radiator are cooled down.

The water temperature alarming lamp on the dashboard illuminates to indicate that the temperature of the engine is too high, please stop to wait for the engine to get cooled.

Note:

If the coolant level is conforming while the water temperature lamp illuminates frequently (the engine temperature is high) or the coolant is consuming too fast, go to the JIALING-designated service center for inspection promptly.

Safety Inspection



Headlamp lighting adjustment

The adjustment can be made to the headlamp in the left / right and vertical directions.

Facing the motorcycle head, use a 1# Torx driver to poke through the guiding slot the left hand headlamp adjusting nut clockwise or counterclockwise to enable the lamplight to move up and down; poke the right hand headlamp adjusting nut to enable the lamplight to move leftwards and rightwards.

Before driving, check the performances of the headlamp, rear position lamp, stop lamp, turn signal lamp, horn and instrument as well as various indicators, so as to ensure a good operation response.

Warning:

When the fuse is burnt, only replace it with a fuse of the same specification, directly short circuit without using fuse or use nonconforming fuse is prohibited.

Note:

If the battery voltage alarm lamp on the dashboard illuminates before starting, it indicates low battery voltage, recharge it; if it illuminates after starting, it indicates a complete vehicle recharging system failure, go to the JIALING-designated service station for inspection as soon as possible.

Safety Inspection

⚠

Note:

The motorcycle has certain requirements for the mass of the carried cargos. Improper cargo loading may affect the overall performance and driving stability of the motorcycle.

The center of mass of the loaded cargo should be at a lower position near the center of the motorcycle. All cargos must be fastened on the motorcycle, and the loaded cargos should be distributed evenly on both sides to keep the balance of the vehicle body; when the center of mass of the cargo is far away from that of the motorcycle, the operating stability of the driver may be affected thus causing potential safety hazard.

Based on the mass of the loaded cargos and the driving road condition, there are certain regulations on the tire pressure (Page 27).

Do not bind large and heavy articles onto the steering handle, front shock absorber and mudguard, otherwise the motorcycle may not drive stably and steering flexibly.

The mass of cargo loaded on the sidecar shall be no more than 50kg.

The mass of cargo loaded on the passenger armrest shelf shall be no more than 5kg.

It is strictly prohibited to exceed the load limit (320kg) of the motorcycle.

Safety Inspection

Warning:

Refitting the motorcycle with sidecar or change any devices of it may neither guarantee the driving safety of the motorcycle with sidecar nor legal behavior. The user must observe the regulations of the traffic administrative department on the use of motorcycle.

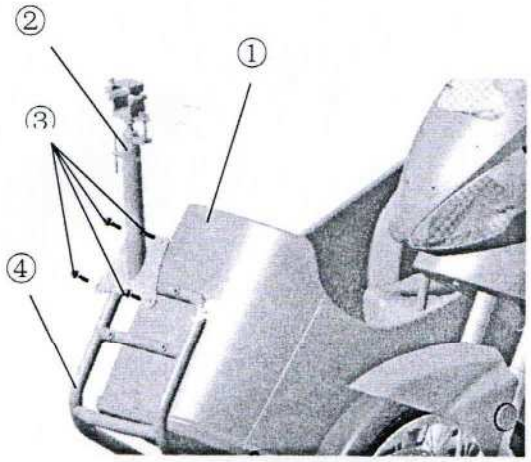
If you have any good idea about refitting the motorcycle, just write to us, and we will be responsible for the implementation upon confirmation. Any behavior of refitting the motorcycle without authorization may cause negative effect; any person who fails to follow this advice shall be responsible for all consequences.

Note:

The user shall not add or change the motorcycle's circuit and other electrical equipments. This may make the motorcycle's electrical system overloaded, thus resulting in fuse melting or short circuit of line, even generating spark thus burn the vehicle, etc.

For any consequences due to users' refitting or changing vehicle lines or other electrical equipments (including increasing the power), we shall not bear any responsibility.

Since the data stored in the ECU controller are determined based on a lot of experiments and road tests, any illegal treatment to the ECU controller may result in safety failure. If you have made any modification to the ECU controller, the guaranty for your motorcycle shall be cancelled.



Instructions for the installation of gun rack

As an accessory, the gun rack can be installed separately. Take out the gun rack② and 4 gun rack bolts③ from the packing case of the gun rack, and mount the gun rack on the front of the side rack④ by fastening with 4 bolts.

Note:

All accessories contained in the packing case of the motorcycle with sidecar are specially designed and manufactured, and all of them have been tested on the motorcycle.

Since we can not test the products produced by other manufacturers, if you chose to use accessories produced by other manufacturers, we shall not bear any responsibility.

Important

Motorcycle with Sidecar Driving

Safe driving

The motorcycle with sidecar is a unique motor vehicle capable of providing rider with comfort and convenience. To ensure the optimum performance of your motorcycle with sidecar, you must carry out pre-trip inspection and proper repair and maintenance to your motorcycle. As a rider, you shall also confirm you are in good physical condition so as to control the motorcycle with sidecar in the optimum condition.

Warning:

To safely drive the motorcycle with sidecar, you must observe the related traffic laws, rules and regulations. No drunk driving!

This motorcycle has good starting acceleration and surpassing acceleration performance, the driver and passenger should make sufficient preparation before driving.

The driver of the motorcycle with sidecar shall not be allowed to drive the motorcycle before passing the test carried out by the traffic administrative department and acquiring the "Driver's License of Motorcycle with Sidecar"; it is prohibited to lend the motorcycle to persons without the Driver's License of Motorcycle with Sidecar".

Before starting the engine, you must check the motorcycle with sidecar and confirm its safety; this may avoid the occurrence of safety accident and zero part damage.

In order to prevent from injury, you should:

※Wear striking clothes.

※ not be too close to other motor vehicles, and properly use signals like turn lamp, horn, brake lamp, etc.

※not drive in the blind area of other drivers' sight view.

Strictly observe all traffic laws (including the local traffic rules).

Since speeding is one of the major causes for accident, the speed shall not exceed the allowed road condition.

When making turn and changing lane, you must use appropriate signal light to remind others.

Be more careful when you are driving on the turning road, crossing road, entrance of parking lot, expressway or roads with barriers ahead.

While driving the motorcycle with sidecar, your two hands should firmly grasp the steering handle with two feet treading on the left and right primary pedals; the passenger on the main body of the motorcycle should firmly grasp the armrest or firmly embrace the driver's waist with two hands with two feet treading on the left and right secondary pedals. The passenger on the sidecar should fasten the seat belt and firmly grasp the armrest on the sidecar.

Besides eyeing to the front, left and right, the driver should also observe the road condition behind through the left and right rearview mirrors.

Motorcycle with Sidecar Driving

Please remember:

High quality protective articles only serve as a means of protection. Never ignore traffic safety just because you have worn high quality protective articles. An excellent driver of motorcycle with sidecar always drives prudently.

Safety protection articles

Properly wearing safety protection articles may ensure the driver and passenger's safety.

Most of the victims in the fatal accidents during the motorcycle riders and passengers are due to the head injury; to ensure your safety, always wear conforming protective articles such as anti-collision helmet, dirt-proof goggles, gloves, etc.; the passenger shall also observe this rule.

In the course of driving, the temperature of the exhaust muffler is very high, so driver and passenger should wear quality leather clothes, durable leather shoes and gloves, etc.

PRECAUTIONS

Instructions:

Measures to be prompted during operating, inspecting and maintaining.

Note:

Special instructions or disposal measures given to prevent motorcycle from being damaged.

Warning:

Special instructions or measures given to avoid serious damages or personal injuries.

Motorcycle with Sidecar Driving

Run-in refers to an approach used to ensure the optimum status of the joint surfaces between all parts of a new vehicle on a section of road during its first driving.

The run-in mileage is 2000 km.

Note:

Avoid full open operation of throttle, and strictly control the engine speed to make the top speed not exceeding 4500rpm.

Constantly change the motorcycle's speed gear positions; do not drive the motorcycle with sidecar at a fixed throttle position and fixed gear position.

Do not carry excessively heavy objects (maximum load).

You are required to change engine oil in every run-in period, i.e. 500km, 1200km and 2000km.

Run-in period operation

1)0～500km run-in:

The opening of the throttle bar shall not exceed 1/2 of the maximum opening. Drive for every 30 minutes, you should stop the engine and cool it for 10 minutes.

2)500～1200km run-in:

When driving, the opening of the throttle bar shall not exceed 2/3 of the maximum opening. Do not use the fully open operation of the throttle;

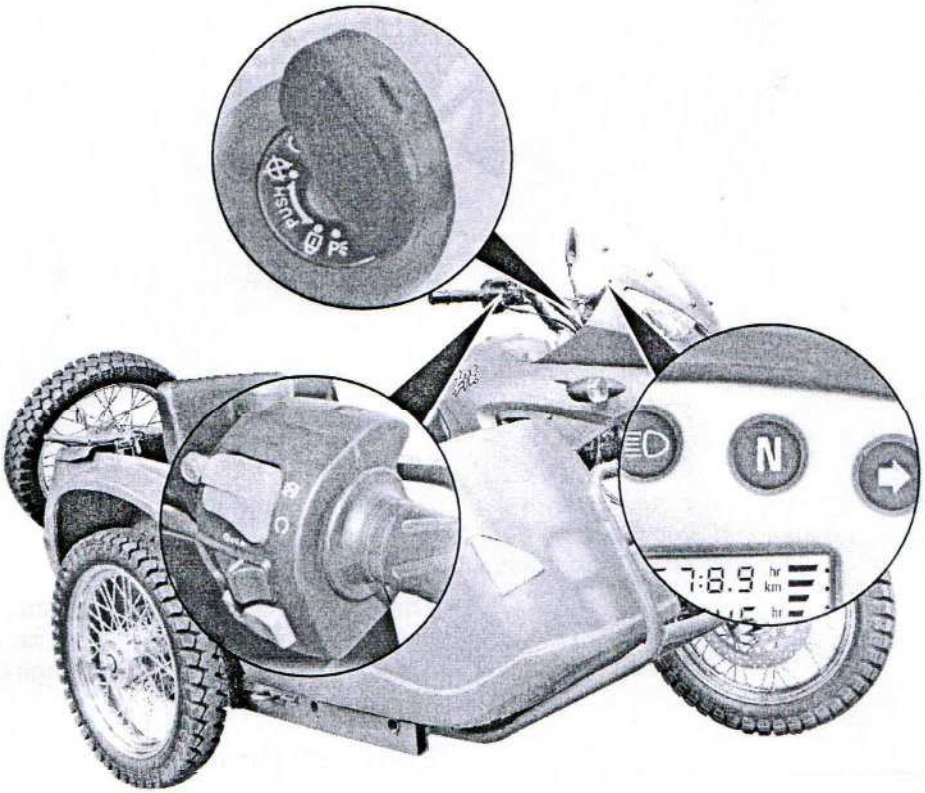
3)1200～2,000km run-in:

When driving, the opening of the throttle bar shall not exceed 3/4 of the maximum opening.

Note:

After the 2000km run-in, change the oil filter member while changing engine lubricant; and go to the designated service station for maintenance according to the requirements of the maintenance period table.

Motorcycle with Sidecar Driving



Note:

Do not start the motorcycle in a narrow space so that the exhaust fume can be easily diffused.

In case of clutch switch failure, change it promptly; failing to do so may cause safety accident.

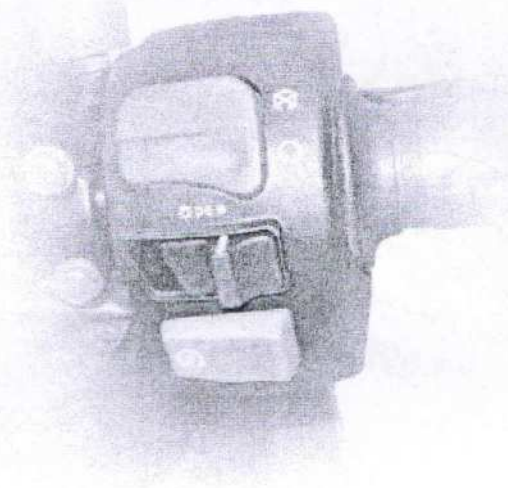
It is strictly prohibited to start the engine when the clutch is not detached; otherwise it may damage the parts and components or cause safety accidents.

Turn on the combined ignition switch:

Insert the key into the ignition switch and turn clockwise to the " ↻ " position, and move the emergency shut-off switch to the "↻" position.

Set to any gear position (not including reverse). When in neutral gear, the neutral indicator lamp " **N** " illuminates; hold the clutch handle with your left hand (detach the clutch)

Motorcycle with Sidecar Driving



Start

Press down the electric start switch "⚡" on the right combination switch while turning the throttle handle to properly give fuel to start the engine.

⚠

Note:

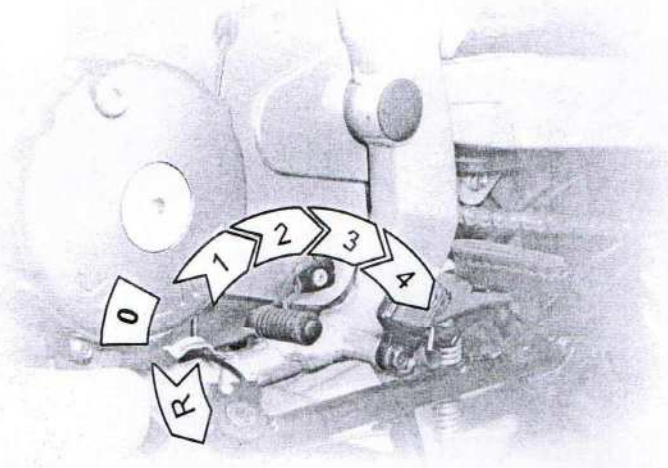
While using the electric start switch "⚡", release it in 3-5 seconds, otherwise the battery may discharge too fast thus affecting the service life of the battery.

After starting the engine, release the electric start switch "⚡" immediately; and when the engine is running, do not press the electric start switch "⚡", otherwise the engine may be damaged.

To prolong the service life of the engine, warm up the engine for several minutes after cold-start of the motorcycle; do not let the cold engine run at high speed.

After starting, give fuel evenly (slowly turning the throttle handle).

Motorcycle with Sidecar Driving



This model has 4-speed constant mesh + 1 reverse gear.

Note:

Confirm before starting that the parking lock lever is open.

After the idle speed of the engine is table, firmly grasp the clutch handle with your left hand; pull the gearshift pedal with your left foot to let the gearbox enter low gear (first gear) position.

Gradually turn the throttle handle with your right hand and slowly release the clutch handle with your left hand; make these two actions cooperate well to ensure the motorcycle with sidecar starts steadily.

When reaching steady driving state, detach the clutch while reducing the engine speed; pull the gearshift pedal upwards to let the gearbox enter the second gear; gradually increase the engine speed and evenly release the clutch handle to ensure the motorcycle with sidecar drives steadily.

Refer to the above procedures for the operation of the 3rd and 4th gear.

Reducing gear position shall be operated in the opposite direction.

Note:

While gear shifting, confirm the gear arm is tread in place before releasing the clutch handle.

When the clutch is not detached or the throttle is reduced, do not change gear position; otherwise may damage the engine, drive system and other parts and components.

Motorcycle with Sidecar Driving

Locking

Unlocking

Reverse gear lock-up lever

Motorcycle with Sidecar reverse operation:

1. Park the motorcycle with sidecar and set the engine to neutral gear position.

2. Move the reverse gear lock-up lever upwards (change from the lock-up position to open position).

3. Firmly grasp the clutch handle with your left hand (detach the clutch) and tread the shift arm downwards to let the gearbox enter reverse gear position (the gear position indicator now display "R").

4. Gradually start the throttle with your right hand and slowly release the clutch handle with your left hand; make these two actions cooperate well to ensure the motorcycle with sidecar starts steadily.

⚠

Note:

After reversing, move the reverse gear lock-up lever downwards to its original position (lock-up position).

Confirm the reverse gear lock-up lever is locked in place.

Motorcycle with Sidecar Driving

When it is necessary to decelerate or shut down the motorcycle, release the throttle first, and then gradually apply rear brake and front brake while changing the high gear position to low gear position to realize deceleration and shut-down. If it is necessary to carry out emergency braking, release throttle first and firmly grasp the clutch handle (detach the clutch) at the same time, and then decidedly apply front and rear braking.

The track on the road, steel plate within the building area and the wet ditch cover are very slippery. When driving over them, you should decelerate in advance and carefully keep the vehicle body vertical, otherwise the motorcycle may be out of control due to the sideslip of the tire.

When driving on wet or slack road surface, you should operate steadily in stead of sudden accelerating, sharp turning and emergent braking; otherwise the motorcycle may easily be out of control, even causing turnover.

When approaching the curved road or making turn, release throttle first or use the braking system to lower the vehicle speed; otherwise the motorcycle may be difficult to be controlled due to the excessively high speed at the moment of making turn, thus easily causing motorcycle sideslip or turnover.

When passing by the automobiles parked roadside, you should notice that the driver or passenger (who can not see you) in such vehicles may open the door that blocks your direction of forward motion.

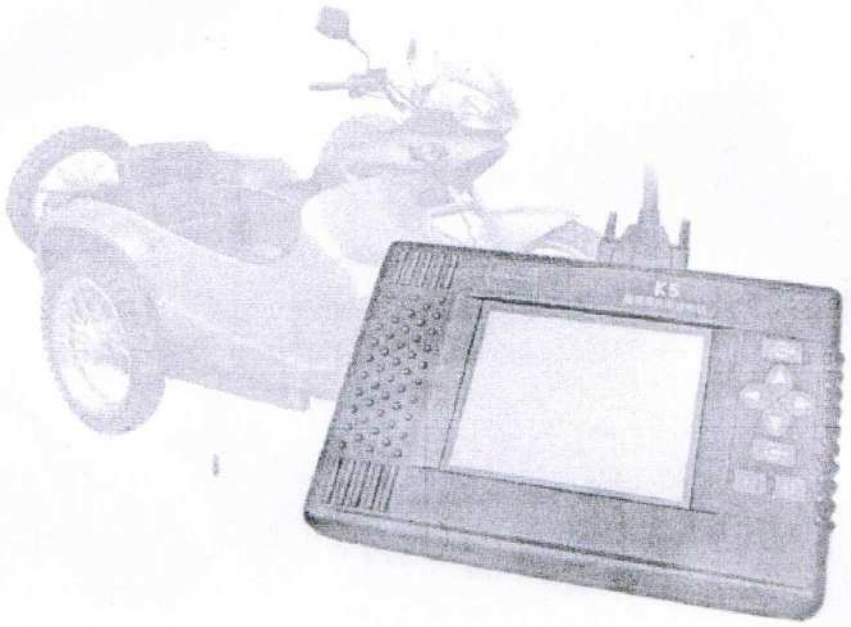
The brake pad may get wet when you cleaning the motorcycle. Check all braking system before starting the motorcycle.

Do not carry excessive luggage on your motorcycle, otherwise the motorcycle may easily lose its balance.

Motorcycle with Sidecar Driving

When it is necessary to shut down the motorcycle, gradually release throttle to reduce speed, and change the low gear position to the neutral gear position at the same time. The neutral gear indicator lamp on the dashboard illuminates now; gently apply front and rear braking to steadily stop the motorcycle; and then turn off the ignition switch, clock the parking locking lever, and finally lock the motorcycle's steering lock.

Motorcycle with Sidecar Driving



At present, high-grade motorcycle technique is getting more and more complicated, which requires people to master more skills to settle some problems possible to occur with this motorcycle. Therefore, people must have enough know-how and correctly use precision tools to guarantee the successful maintenance.

The best way to meet this requirement is to get help from the JIALING-designated service station. Because the professional servicemen there have received special training at Jialing Factory and become certified servicemen; they know about and have good command of the technical development trend.

It is suggested that, even if the guaranty period has expired, the motorcycle still be sent to the JIALING-designated service station for repair and maintenance. Only in this way, may your JIALING motorcycle be at the optimum running state.

The process of vehicle abrasion is progressive and invisible. Through repair and maintenance made at JIALING-designated service station, you can be accurately aware of the condition of your motorcycle and prevent the occurrence of failure from causing more losses to you.

Motorcycle Maintenance

The maintenance time and mileage cycle defined herein is for the safe driving and prolonging the service life of the motorcycle. Do follow the relevant regulations to carry out maintenance to the motorcycle.

Note:

For the damage caused during repair and maintenance by the service station not authorized by our company, we shall not bare any responsibility.

Therefore, please go to your local service station to ask professionals who have received special training and qualifications to carry out the maintenance.

JIALING's service centers at all places have the latest technical information and data as well as technical skills. In case of any problems with your motorcycle, consult the local service center for solutions.

Since this motorcycle is made with high technology, special techniques and skills as well as special service tools, diagnosing and detecting instruments are necessary for completing the related repair and maintenance as well as keeping your motorcycle in good condition. Therefore, please go to the JIALING-designated service centers for consultation and operation before you completely confirm you're able to settle it.

Within the period of "Three Guarantees", users should go to the designated service station for spot check and maintenance according to the run-in period requirement and the contents of the maintenance period table.

Genuine parts

For your driving safety, please use parts and accessories recognized by JIALING Company.

Note:

For any damage to the motorcycle due to any application of parts and accessories not recognized by JIALING, we shall not bear any responsibility.

For the installation and use of JIALING's genuine parts, accessories and other recognized products, consult your local JIALING service station.

Maintenance Period Table

Regular maintenance shall be carried out to the motorcycle with sidecar in a specified period. Before proceeding, thoroughly clean the motorcycle with sidecar. The meanings of various symbols in the table are as follows:

I: Carry out inspection, cleaning, adjustment, lubrication or replacement; C: Clean; R: Replace; L: Lubricate.

Maintenance times / Maintenance items	Period	Odometer km②				
		2,000km	4,000km	8,000km	12,000km	Remarks
*Fuel system passage			I	I	I	
** Fuel precision filter		Replace every 15000km driving				
*Throttle operating system		I	I	I	I	
*Throttle valve body		I	I	I	I	
Air cleaner filter element①		C	I	I	Replace every 12,000km driving	
Spark plug		I	I	I	R	
Engine lubricant oil		For a motorcycle, change every 500km, 1200km and 2000km respectively, and then change it every 3000km driving				
Oil filter		R	C	C	C	
*Tensioner③		I	I	I	I	
Both intake and exhaust④		I		I	Check every 8,000km driving	
Clutch		I	I	I	I	
*Driving chain		Proceed with I and L for every 500km driving				
**Front, rear and side brake system		I	I	I	I	
**Brake Pad		I	I	I	I	
**Brake fluid		Change every 2 years				
* Front and rear brake lamp switch		I	I	I	I	
*Battery		I	I	I	I	
*Suspension system		I	I	I	I	
*Nut and bolt fastening	Monthly	I	I	I	I	
**Wheel & tire		I	I	I	I	
**Steering column bearing		I	I		I	
Horn		I	I	I	I	

A Letter to Customers

Preface:

Thank you for purchasing "JIALING" JH600B motorcycle with sidecar! This manual introduces the basic operations and maintenance methods for this model. Please read it carefully before driving to enable you to use, repair and maintain the motorcycle correctly, ensure traffic safety effectively, reduce the failure risk of the motorcycle with sidecar, maintain its optimum performance and prolong its service life.

Our JIALING-designated service stations at various places will provide you with quality after service.

We hope you will enjoy the comfort and pleasure it brings to you during your driving.

The data, specifications and instructions stated in this manual are determined according to our latest design, for which Jialing Group has the right of updating. Therefore, all technical modifications we made are subject to modification without notice.

Note:

This product executes the standard Q/QD918-2006; please follow regulations as specified herein and the related traffic laws, rules and regulations to operate.

This manual is one of the necessary accessories for this motorcycle.

The copyright hereof reserved to Jialing Group. No one is allowed to duplicate it without our written permission, and all those who are in breach shall be prosecuted. The composition of this manual complies with:

The relevant regulations in the standards GB9969.1-1998 and GB/T79678-2005.

JIALING GROUP shall reserve the right of explanation.

Items marked with asterisk (*) shall be subject to maintenance by persons from Jialing Service Station. If the user has special service tools, maintenance accessories or maintenance ability, it can carry out maintenance by itself.

Items marked with two asterisks (**) shall be subject to maintenance only by persons from Jialing Service Station to ensure safety.

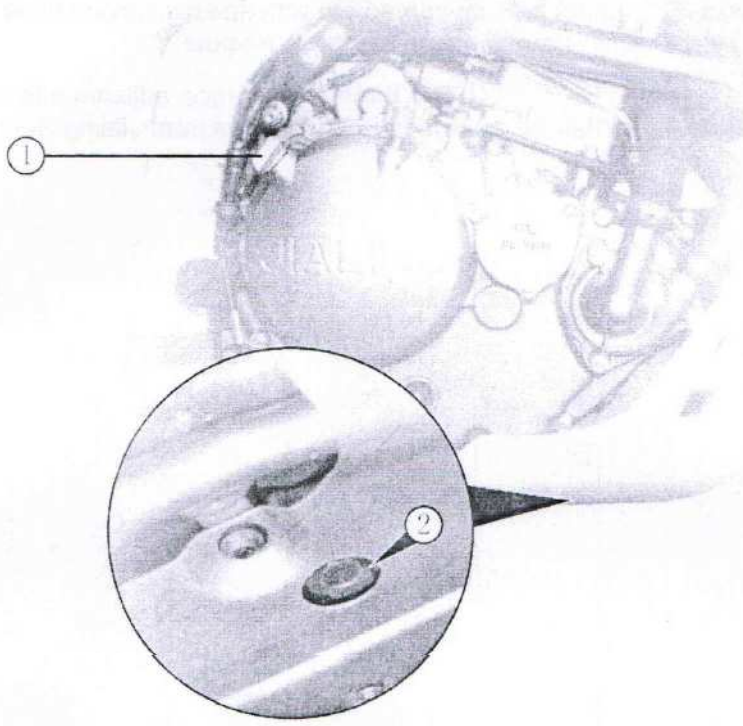
Note: ① While driving in a dusty area, it shall be cleaned more often.

② When the odometer reads more than the maximum value given in the table, its repair and maintenance period shall still repeat as per the mile interval as stipulated in the table.

③The adjustment of the timing chain tension must be carried out with special service tools according to the maintenance manual.

④The throttle clearance adjustments shall only be carried out by persons from Jialing Service Station.

Replacement of lubricant



Instructions:

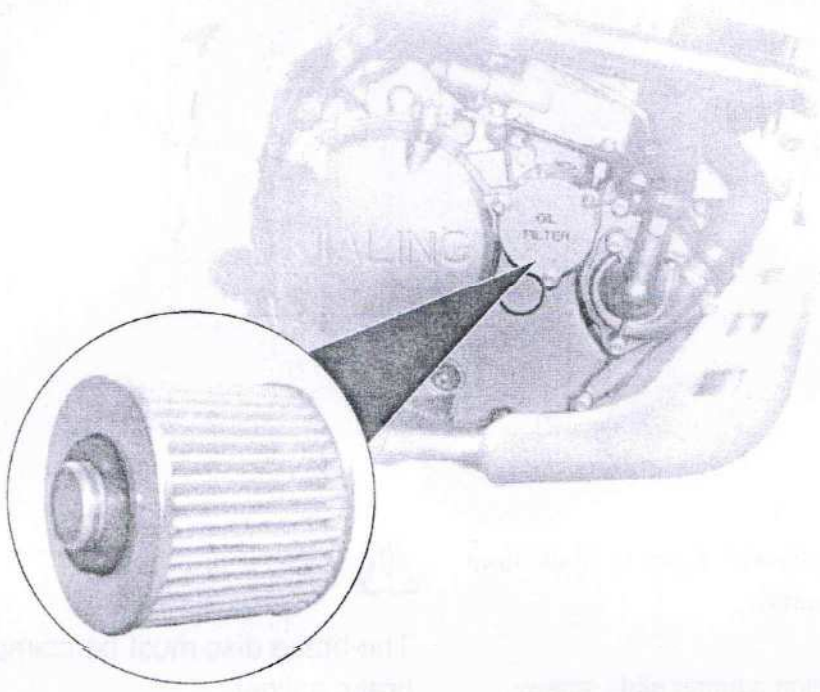
Before lubricant changing, sufficiently warm up the engine, and then stop the engine and discharge the engine lubricant.

When discharging lubricant, place an empty oil container under the engine to prevent the environment from being polluted by the lubricant.

Place the motorcycle with sidecar on the level ground and remove the engine's oil filling port plug screw①, and then remove the engine's oil discharging plug screw② (at the bottom of the engine).

Clean off the iron chips absorbed on the engine's discharging plug screw.

Replacement of Lubricant



Remove the oil filter cap, take out the oil filter element and clean it, and then remount the oil filter element and discharging plug screw.

Refill about 2300 ml of conforming fresh lubricant oil from the oil filling port into the engine and check whether or not the lubricant oil level is between the upper and lower scale marks and whether the engine leaks oil. Then remount the oil filling port plug screw.

Turn on the ignition switch to start the motorcycle, keep it running until the normal operating temperature of the engine is reached;

Turn off the ignition switch, and check from the viewport whether or not the lubricant level is between the upper and lower scale marks.

⚠

Note:

For motorcycle within its run-in period, refer to the "run-in period" standard to change lubricant and oil filter element.

While driving in a more dusty area, the time period for cleaning and replacing lubricant oil and cleaning oil filter element shall be shorter.

Remove Front Wheel

Support the motorcycle with a jack to lift the front wheel above the ground.

Unscrew the 4 vibration damper plate screws, screw out the front wheel spindle with a spanner to take out the front wheel.

Note:

After the front wheel is removed, do not touch the front brake handle.

When lowering the wheel, do not damage the brake disc.

Installation is carried out in the reverse order of removal.

Note:

The brake disc must be clamped within the brake caliper.

While screwing down the vibration damper plate bolts, fasten the upper bolts first.

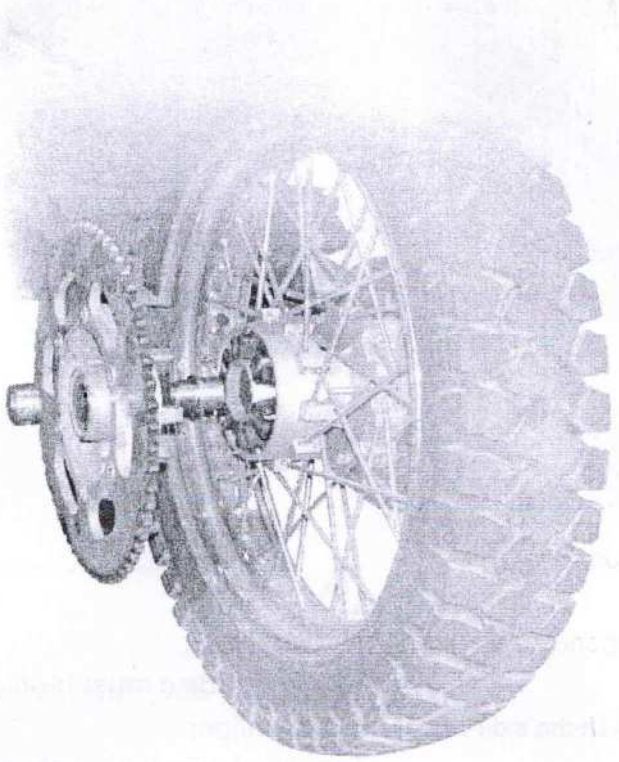
Torque of front wheel spindle: 50-60N.m.

Torque of vibration damper plate: 8-12 N.m.

WARNING:

Upon completion of installation, pull the brake handle with great effort for several times to ensure perfect braking capacity.

Remove Rear Tire



Support the motorcycle with a jack to lift the rear wheel above the ground.

Remove the rear chain case and chain guard board (4 screws).

Remove the rear wheel spindle fastening nut, unscrew the chain adjuster screw and detach the rear chains to leave the rear wheel spindle.

Remove the rear wheel assembly.

⚠ Note:

When the wheel is removed, do not use the rear brake pedal.

When lowering the wheel, do not damage the brake disc.

Installation is carried out in the reverse order of removal.

⚠ Note:

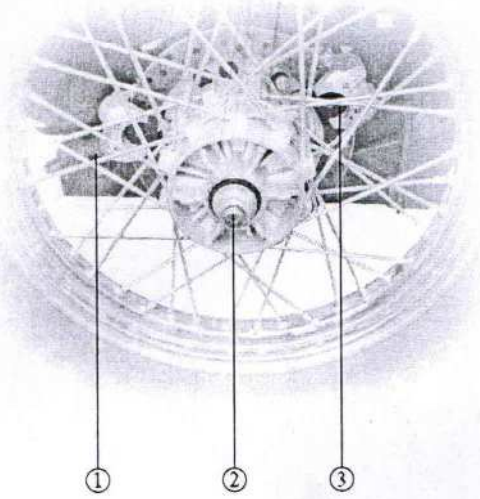
The brake disc must be clamped within the brake caliper; the rear wheel spindle passes through from left to right.

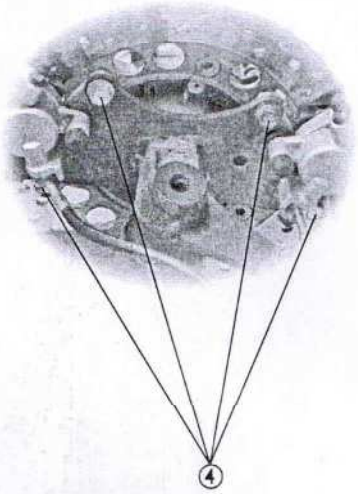
After installing the chain, the chain swag must be adjusted as per regulations.

The scale lines on both sides of the chain adjuster must be consistent with each other.

Torque of rear wheel spindle nut: 80-100 N.m.

Side Wheel Dismounting





1. Side brake caliper (Rear) component
2. Clamp nut
3. Side brake caliper (Front) component
4. Brake fixing bolt

Support the sidecar with a jack to lift the side wheel above the ground.

Remove the four fixing bolts on the side brake caliper component from the inner side of the sidecar wheel.

Unscrew the side wheel fastening nuts and remove the side wheel.

Note:

After the side brake caliper component is removed, do not touch the front brake handle and rear brake pedal.

When lowering the wheel, do not damage the brake disc.

Installation is carried out in the reverse order of removal.

Note:

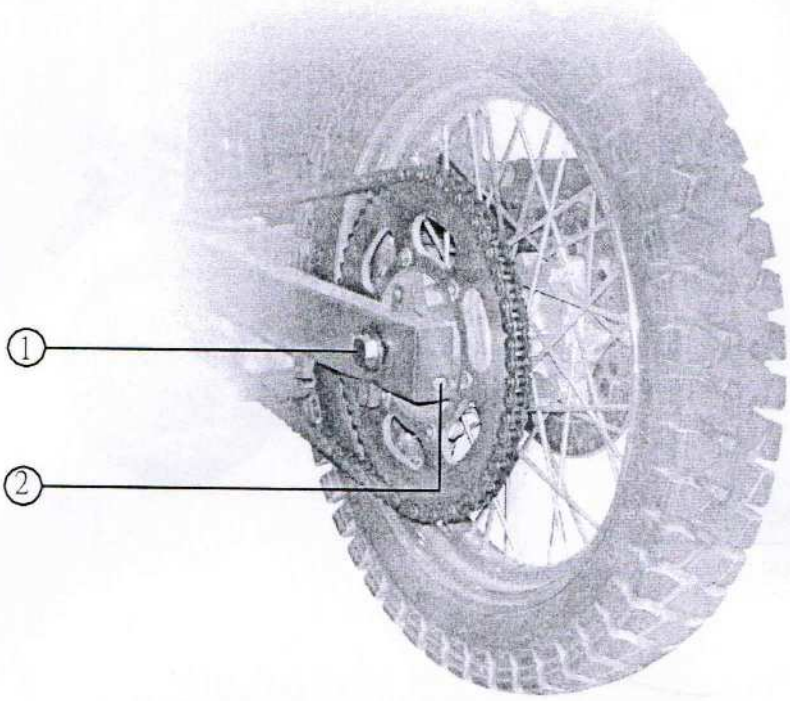
The brake disc must be clamped within the brake caliper.

Torque of side wheel clamp nut: 80-100 N.m.

WARNING:

Upon completion of installation, pull the brake handle with great effort for several times to ensure perfect braking capacity.

Driving Chain Adjustment



Unscrew the rear wheel spindle nut①;
Rotate the chain adjuster screws② on both sides, and adjust the vertical swag of the driving chain into a specified range.

Instructions:

Ensure the scale lines of the chain adjuster on both sides are consistent with each other.

Fasten the rear wheel spindle nut.

WARNING:

Always screw down the rear wheel spindle nut with specified torque.

Driving Chain Lubricating

Instructions:

The driving chain includes many interlocked parts; failing to make appropriate maintenance may speed up the chain abrasion.

Clean and lubricate the chain once every 500km; while driving in a more dusty area, such maintenance should be especially strengthened.

Carefully remove the elastic locking plate with sharp-nose pliers, detach the chain links and remove the chains; remove the big and small sprockets with tools simultaneously.

Clean the big and small sprockets and driving chain in the wash oil to remove all dirt and mud, and then air-dry them.

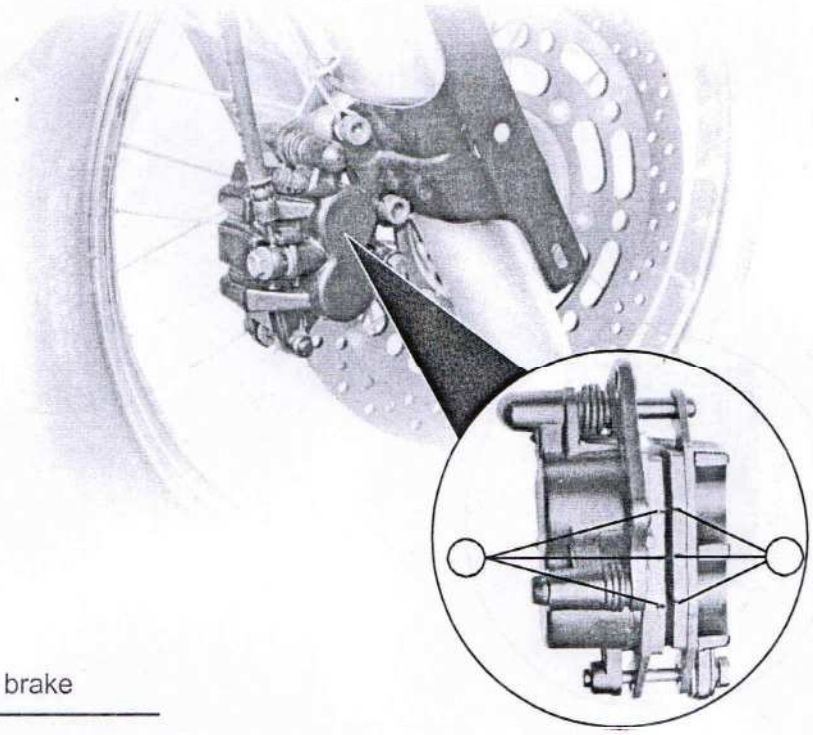
Check all parts of the big and small sprockets and driving chain for abrasion and damage, and replace it if necessary. Apply right amount of engine oil on the big and small sprockets and driving chain, or use spray-type chain lubricant to lubricate them.

While assembling, remount them in the reverse order and adjust the vertical swag of the chain.

Note:

While mounting the spring locking pieces, its opening end shall be in the opposite direction with the normal movement of the driving chain.

Brake Pad Inspection



Front wheel brake

Instructions:

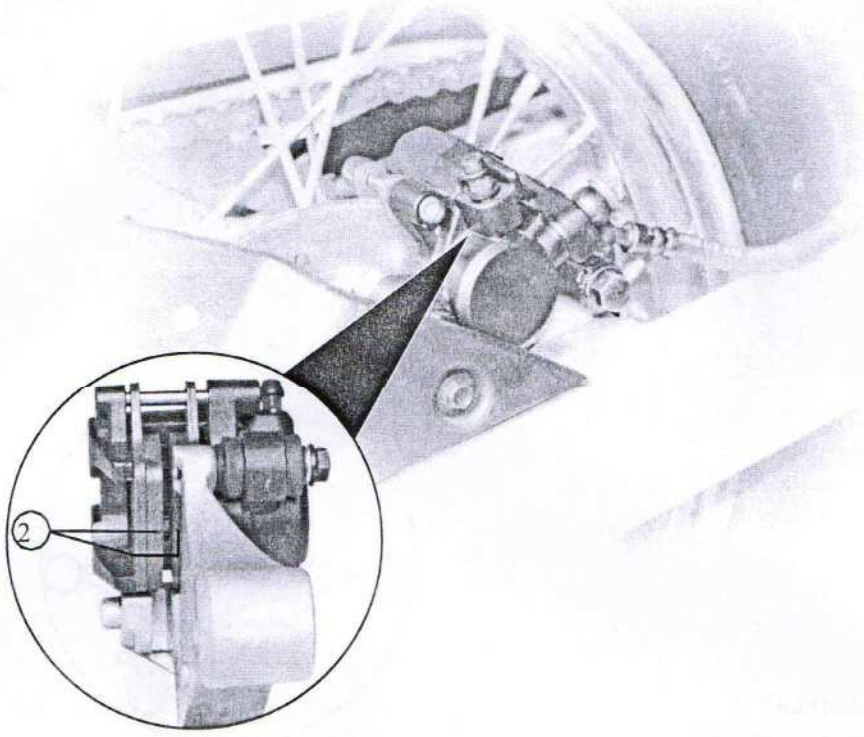
Since the hydraulic disc brake operates at high temperature, the replacement time of brake pad and brake fluid should not exceed the requirement as specified so as to ensure the safety and reliability of the brake (Page 44).

When the hydraulic disk brake system needs to be repaired or changed, it can only be carried out by staff from "Special Service Station of Jialing".

Check the thickness of brake pad

There must be apparent notch① on the brake pad. If the mark is not apparent due to abrasion, change the brake pad.

Brake Pad Inspection



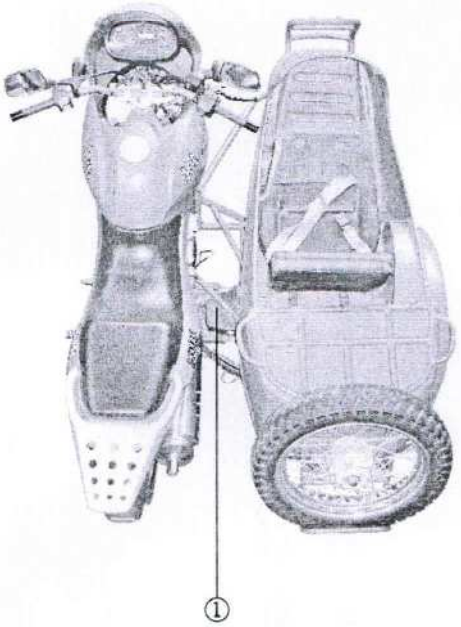
Instructions:

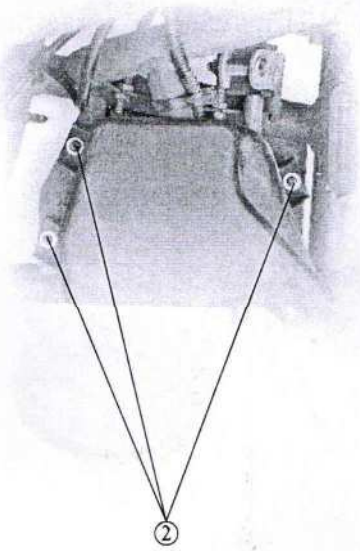
When the hydraulic disk brake system needs to be repaired or changed, it can only be carried out by staff from JIALING-designated service station.

Visually check the rear brake for the thickness of the brake pad, on which there must be apparent notch②.

If the mark is not apparent due to abrasion, change the brake pad.

Inspection & Adjustment of Steering Backstay Cable





1. Lower steering wheel
2. Steering wheel cover screw

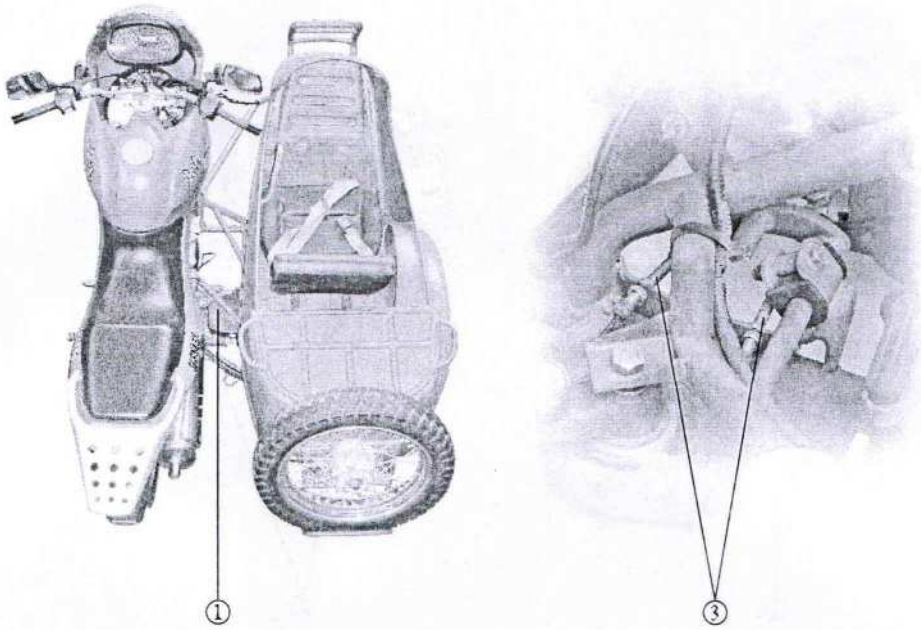
The steering control cable control the side wheel rotation by turning the handle to realize the synchronization of the side wheel and main wheel. In case of abnormality with the steering of the motorcycle with sidecar, check the steering control cable.

Remove the three fastening screws (2) on the steering wheel cover to remove the steering wheel cover; check whether or not the steering control cable is abnormally worn, if it is, change it promptly.

Check whether or not the nuts are loose; if they are, fasten them promptly.

Check whether or not the wire rope is prolonged; if it is, adjust it promptly.

Inspection & Adjustment of Steering Backstay Cable



1. Lower steering wheel
3. Steering cable adjusting nut

Steering control cable adjustment:

Unscrew the fastening nuts (exterior) and adjusting nuts (interior) on the two steering control cables until the cable is relaxed;

Adjust the direction of the front wheel (the centers of the front and rear wheels are in the same straight line);

Check the toe-in of the side wheel is within the specified range (±5mm), and retain the positions of the front wheel and side wheel;

Turn the position of the adjusting nuts on the steering backstay cable until the wire rope of the steering control cable is tensioned, and screw down the fastening nuts.

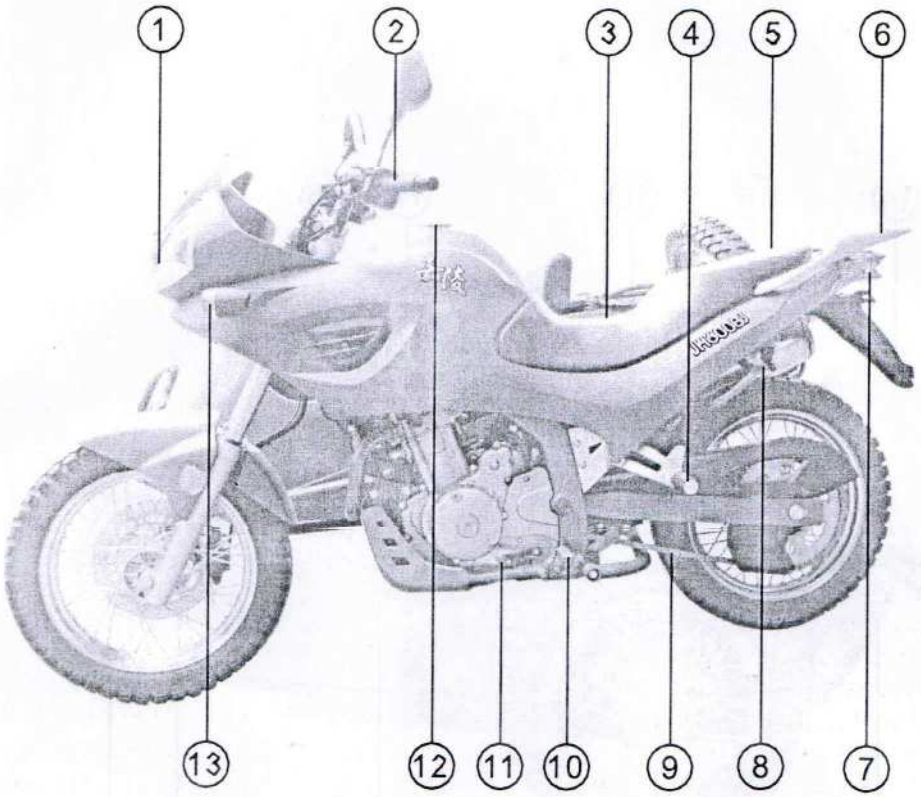
⚠

Note:

The abnormal wear, loosening or prolonging of the steering control cable may easily make the motorcycle with sidecar fails to control the steering.

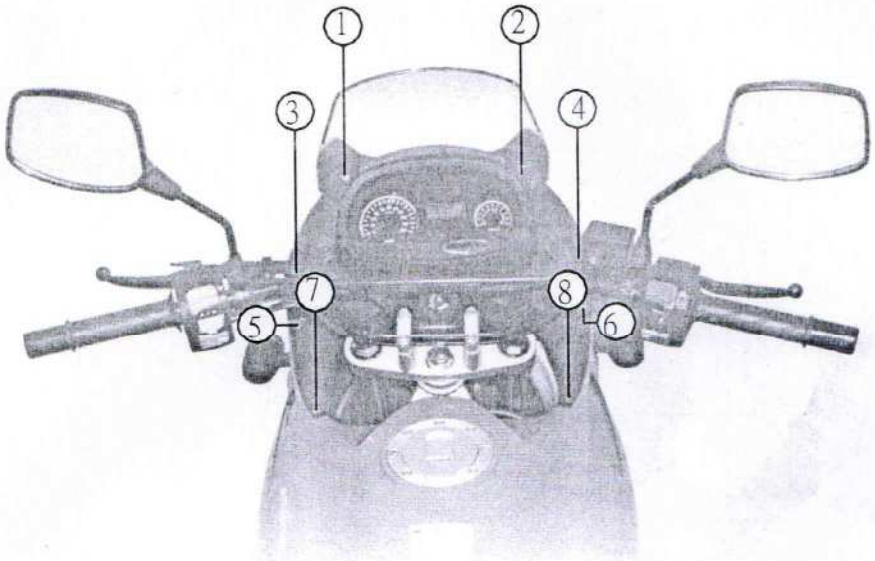
If the toe-in of the side wheel is beyond the specified range, go to JIALING service station for adjustment.

Finished Motorcycle and Operational Units



1. Head lamp
2. Steering control lever
3. Double seat cushion
4. LH secondary pedal
5. Tools (Under seat cushion)
6. Armrest
7. Combined rear position lamp
   (Stop lamp, rear position lamp, rear steering lamp)
8. Helmet, cushion lock (Page 15)
9. Driving chain
10. LH primary pedal
11. Gear shift pedal (Page 39)
12. Fuel tank (Page 17)
13. LH front turn signal lamp

Instructions for Replacing Bulb



Note:

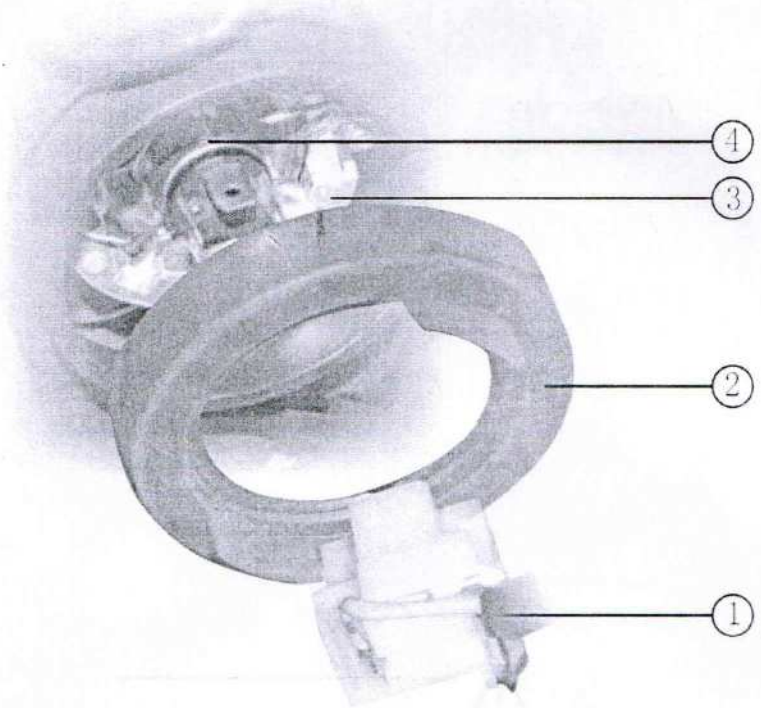
Before replacing bulb, turn off the ignition switch.

Remove the 8 screws on the dashboard housing to remove the dashboard housing and instrument.

Note:

When removing the instrument, be careful to disconnect the instrument connection line.

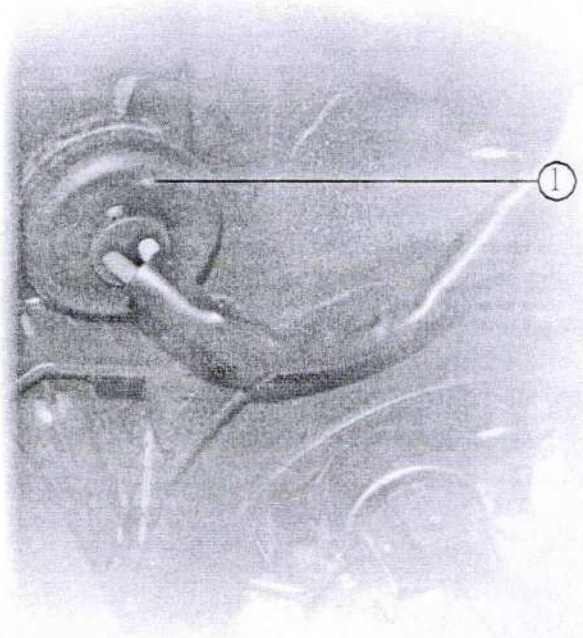
Instructions for Replacing Bulb



Replacement of headlamp bulb

1. Remove the bulb patch plug;
2. Pull out the waterproof rubber housing;
3. Remove the jump ring;
4. Take out the failed bulb and replace it with a new one.

Instructions for Replacing Bulb

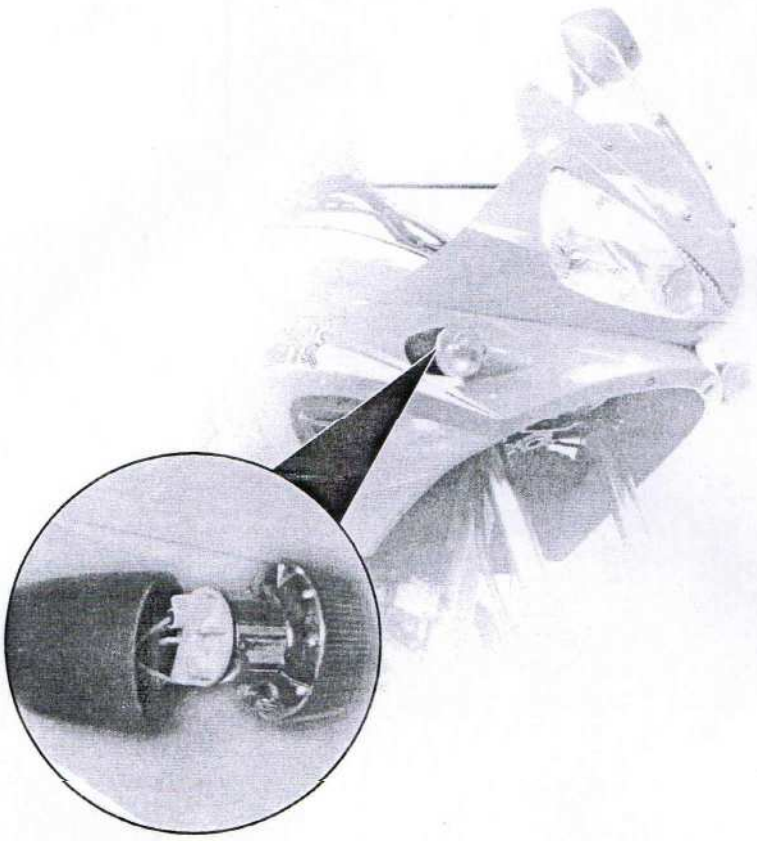


Replacement of front position lamp bulb

1. Pull out the position lamp socket①;

2. Remove the failed bulb and replace it with a new one.

Instructions for Replacing Bulb



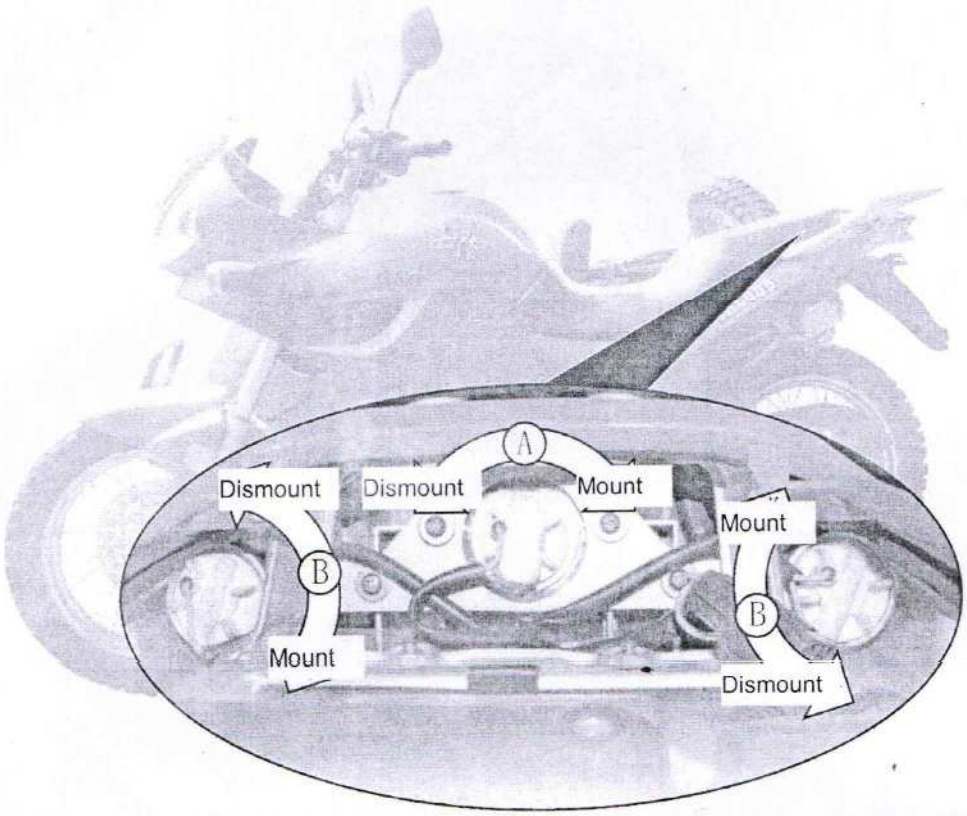
Note:

Before replacing bulb, turn off the ignition switch.

Replacement of front turn lamp bulb

1. Remove the connecting screws on the front and rear bodies of the turn lamp;
2. Turn it counterclockwise to take out the lamp socket combination;
3. Remove the failed bulb and replace it with a new one.

Instructions for Replacing Bulb



Note:

Before replacing bulb, turn off the ignition switch.

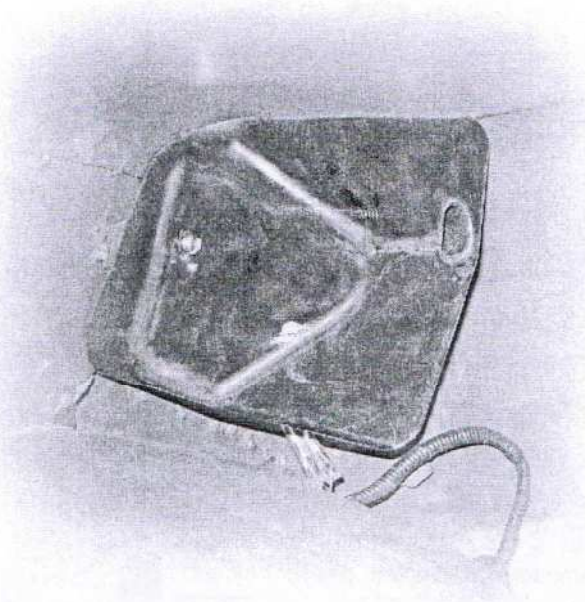
A. Replacement of rear position lamp bulb

1. Unlock the seat cushion;
2. Turn it counterclockwise to take out the rear position lamp socket combination;
3. Remove the failed bulb and replace it with a new one.

B. Replacement of rear turn lamp bulb

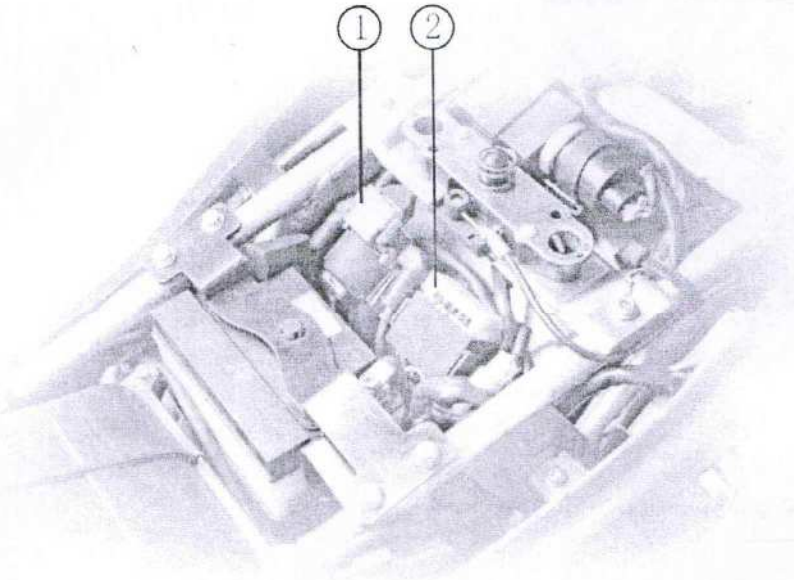
1. Unlock the seat cushion;
2. Turn it counterclockwise to take out the rear turn lamp socket combination;
3. Remove the failed bulb and replace it with a new one.

Replacement of Sidecar Front / Rear Position Lamp



Unscrew the fastening screws on the back cover of the front and rear position lamps of the sidecar;
Turn it counterclockwise to remove the position lamp socket;
Remove the failed bulb and replace it with a new one.

Fuse Inspection and Replacement



Fuse specifications

1、30A main fuse protects the circuits of the finished motorcycle;

2、20A-EFI protects the circuits of electronic fuel injection system;

3、15A-EMS protects the circuits of engine management system (fan, starter relay, fuel pump relay, ECU, car anti-theft device);

4、15A-LIGHT protects the circuits of headlight;

5、15A-SIGN protects the circuits of signal system (turn lamp, position lamp, brake lamp, horn).

Replace fuse

The main fuse① is inside the starter relay, so it is possible to replace it by removing the relay connector. Spare fuse is available inside the relay rubber housing;

Secondary fuse② is inside the fuse block; it is possible to replace the fuse by opening the fuse block. Spare fuse is available inside the fuse block rubber housing.

WARNING:

When the fuse fails, it must be replaced with a fuse of the specified model; never connect the circuit with a lead, otherwise it may damage the electric device and may possibly cause motorcycle burning.

Accumulator

Battery electrolyte inspection and adding
This model uses 12V14Ah lead-acid battery.

WARNING:

The battery contains sulfuric acid. The electrolyte contacting with skin or eyes may cause serious burn. So, please wear protective clothing and safety goggles.

If skin contacts the electrolyte, flush with fresh water immediately.

If electrolyte accidentally enters your eyes, flush your eyes with fresh water for at least 15 minutes, and seek medical advice immediately.

The electrolyte belongs to toxic chemicals. In case you swallow it accidentally, drink large quantity of water or milk and then drink magnesium oxide emulsion or plant oil, and seek medical advice immediately.

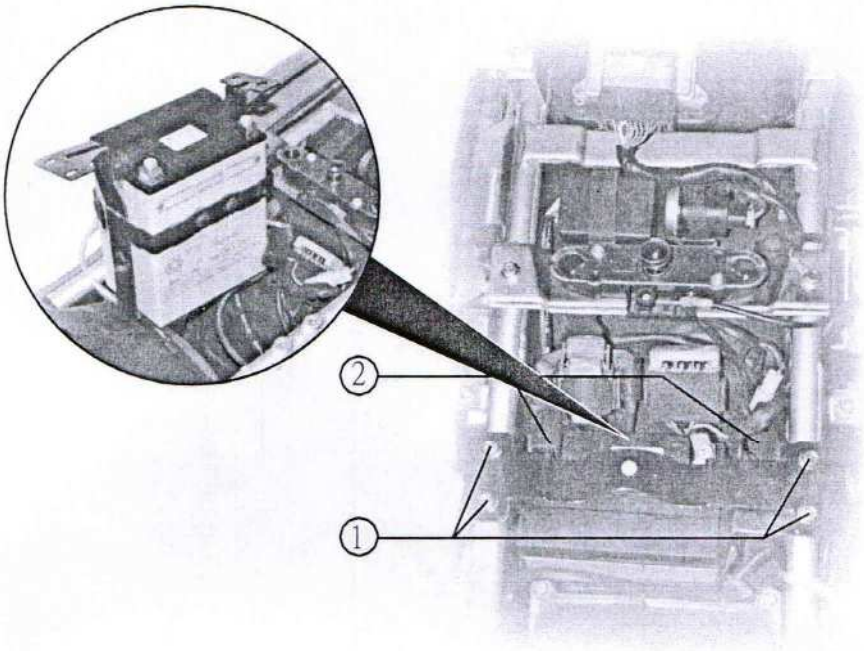
The electrolyte level shall be between the scale marks MAX (upper limit) and MIN (lower limit). When the battery electrolyte level is low, remove the battery corking, and carefully add distilled water to the upper limit scale mark with a small plastic tube.

Note:

The battery can only be added with distilled water; if running water is used, the service life of the battery will be shortened. Do not add battery electrolyte.

When changing batter, use the battery of the same specification.

Remove Battery



The battery is under the seat cushion. Remove the pressure plate screw① (4 pieces) and the electrode connecting screw② to take out the battery support, so as to check the battery electrolyte.

⚠ Note:

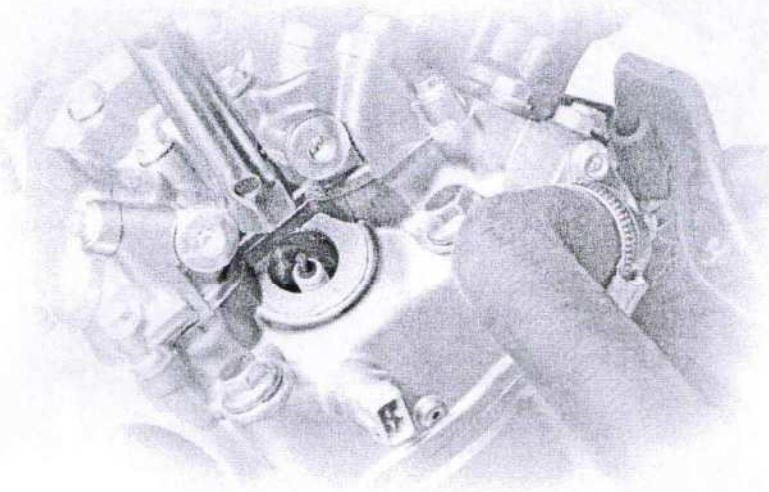
When removing battery, remove the negative pole (-) lead first, then the positive pole (+) lead and turn off the ignition switch to prevent it short out.

The battery breather pipe must be connected without bending or twisting in the above-mentioned way. Bent or knotted breather pipe may increase the pressure inside the battery thus damage it.

Regularly clean the connector posts of the positive and negative poles of the battery. To clean them, remove the battery and ensure the wiring of both poles is not loosened.

When the motorcycle is not in use for a long period, remove the battery and store it in a well ventilated dark place after being recharged to reduce electricity discharging and leakage. To store it with it on the motorcycle, remove the negative pole lead.

Spark Plug



Spark plug selection

Reference model: NGKCR8E;

Domestic model: NHSPB8RC

"JIALING" genuine spark plug recommended

Inspection and replacement of spark plug

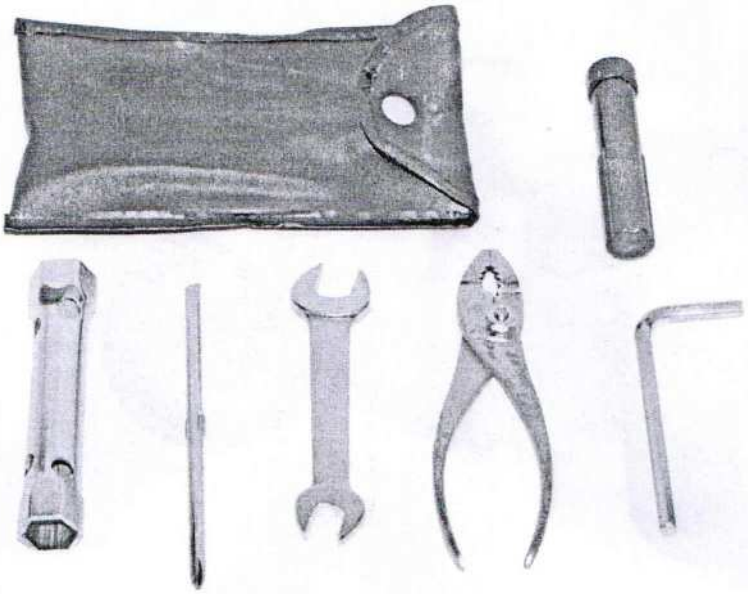
Remove the spark plug cap and clean the dirt around it; remove the spark plug with the socket wrench in the tool bag and remove the carbon deposit and dirt with the wire brush.

Check for spark plug damage, ablation between electrodes and gasket intactness. In case of damage, replace the spark plug.

Use the thickness gauge to check the gab between the spark plug's electrodes. The normal gap should be 0.7-0.8mm.

While mounting the spark plug, manually screw the spark plug in place with hand and then use the spark plug socket wrench to fasten it.

Tools

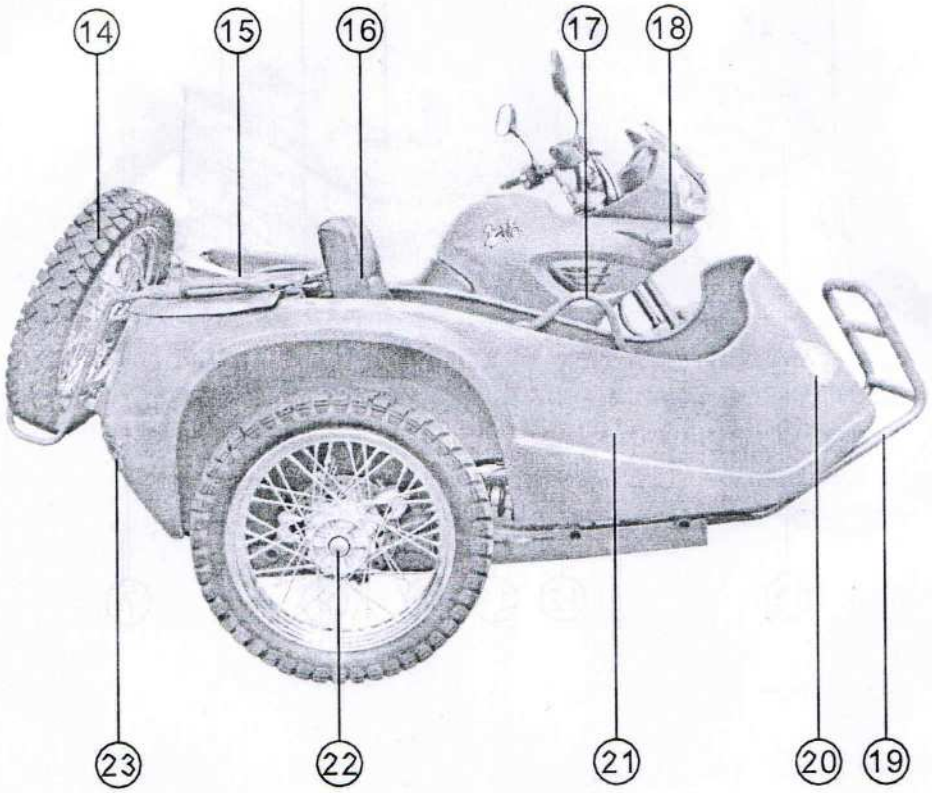


Tools are equipped under the seat cushion at the end of the motorcycle for repair, adjustment and changing parts during driving.

The following tools are in the tool bag:
Cross / Slotted combination screwdriver
Screwdriver handle component
Alligator wrench 135
Allen wrench 6×90
Socket 19×16
Double-ended spanner 10×13

Finished Motorcycle – RH View

Finished Motorcycle and Operational Units



14. Spare wheel
15. Baggage rack
16. Sidecar seat
17. Sidecar armrest
18. RH front turn signal lamp
19. Side frame
20. Sidecar front position lamp
21. Sidecar
22. Side wheel
23. Sidecar rear position lamp

Cleaning and Maintenance

In order to ensure the appearance quality of the motorcycle with sidecar, regular cleaning should be carried out to the motorcycle, checking for damage, abrasion, fluid leakage and fuel leakage.

Note:

While cleaning, do not carry out high pressure cleaning to the following location, which may damage the motorcycle with sidecar.

Ignition switch, electrical switch, instrument, muffler outlet, radiator, lower part of cushion.

After cleaning, totally flush with large quantity of fresh water.

Dry the motorcycle with sidecar and start the engine to let it run for several minutes.

Lubricate the driving chain.

Before driving onto the highway, do the braking test of the brake to make it restore to the normal condition.

Note:

Sooner after cleaning the motorcycle with sidecar, its braking performance may somewhat reduce.

Storage of **Motorcycle with Sidecar**

For long period of storage (e.g. stored in winter for more than 1 month), it is necessary to take certain measures to eliminate the quality reduction when it is not in use. In addition, necessary repair should be carried out before storing the motorcycle; otherwise you may forget the problems need to be repaired when you use it after it has been stored for long.

Clean and dry the motorcycle, and paint and wax the entire motorcycle.

Remove the battery and store it in a well ventilated, dry, cool and dark place.

Aerate the tire to the specified pressure and place the motorcycle with sidecar above the heel with front, rear and side wheels off the ground.

Use cloth or materials with strong breathability to cover the motorcycle with sidecar, and store it in a place free of sunshine and rain, where the temperature difference is small and ventilation is good.

Use after Storage

Remove the coverings on the motorcycle with sidecar and clean the motorcycle.

Check the battery voltage. If the voltage is below 12.3 V, recharge and mount the battery.

Check tire pressure.
Check the braking.
Do the pre-driving inspection.

Add fresh fuel and try riding the motorcycle with sidecar in a safe place to check whether its performance is normal.

When use it after being stored for more than 6 months, it is necessary to change the engine oil to avoid abnormal engine abrasion due to deteriorate engine oil.

Dimension Parameters

Total length	2,280mm
Wide	1,580mm
High	1,325mm
Front and rear wheelbase	1,540mm
Front side wheelbase	1,150mm
Rear side wheelbase	390mm
Tread	1,080mm
Min. ground clearance	150mm
Min. turning diameter	6,000mm
Steering handle corner	36-38°
Complete vehicle kerb mass	363kg
Max. design pay mass	320kg
Front wheel size and pressure	4.10-1875P350Kpa
Rear wheel size and pressure	4.10-1875P450Kpa
Side wheel size and pressure	4.10-1875P380Kpa
Front brake	Hand operating panel type
Rear brake	Foot operating panel type
Sidecar brake	Front or rear follow-up braking
Fuel tank volume	19L
Fuel model	93# gasoline

Drive System Parameters

Clutch form	Wet oil bath multiwafer
Clutch operating system	Manual mechanical
Variable speed gear	4-speed constant mesh +1 Reverse
Gear shifting mode	Left foot operated to and back type R-N-1-2-3-4

Engine Parameters

Mode	Single-cylinder, top-mounted camshaft type, 4-stroke and 4-throtle
Cylinder displacement	589.9ml
Compression ratio	9.7:1
Max. power	27kw/6000r/min
Max. torque	48N.m/4500±500r/min
Valve clearance (cold)	IN：0.09～0.14mm EX：0.17～0.22mm
Air filter	Oilpaper filter
Idle speed	1500±150r/min
Cooling method	Water-cooling

"Three Guarantees" regulations

For all users who buy JIALING JH600B motorcycle with sidecar, we shall, from the date of purchasing, offer a two-year "Three Guarantees" policy. Consult your local service station for the implementing rules.

In case of defect with the motorcycle with sidecar, send your motorcycle and the "Instruction Manual for the Use and Maintenance of JH600B Motorcycle with Sidecar" to the covered service station to apply for repair.

Matters not covered herein shall execute the "Implementing Rules for the Responsibility of Repair, Change and Return of Motorcycle Product", and the power of final interpretation shall belong to JIALING Group.

Service Record Table

customer's name		Gender		User Tel.	
User address				Postal code	
Date of purchase		Vehicle Type		Color	
Frame Number			Bar-type pasting area		
Engine Number					
Name of seller				Telephone number	
Name of warranty unit				Telephone number	
Address of warranty unit				Contact person	

This table is prepared in duplicate, one is for the service station, and the other is for the user.

Service Record Table

customer's name		Gender		User Tel.	
User address				Postal code	
Date of purchase		Vehicle Type		Color	
Frame Number			Bar-type pasting area		
Engine Number					
Name of seller				Telephone number	
Name of warranty unit				Telephone number	
Address of warranty unit				Contact person	

This table is prepared in duplicate, one is for the service station, and the other is for the user.

Service Record Table

Service Record Table for Initial Spot Check (2000km) (Free for the first time)

customer's name		Gender		User Tel.	
User address				Driving miles	
Frame Number			Engine Number		
Date of purchase		Date of survey		Postal code	
Name of service station		Surveyed by		Manager of service station	

Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying

SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10-20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low / High		
		Oil leak	No / Yes		
		Suspending bolt fastening			
		Abnormal sound	White/Black/Blue		
		Exhaust smoke	Low/High		
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	Electrolyte			
		Various switch behavior			
		All lighting / indicating behaviors			
9	Other				
User's comments				User signature	

This table is prepared in triplicate, the first page is for the user, the second page is to be sent back to the service station, and the third page is for the service station.

Service Record Table

Service Record Table for Initial Spot Check (2000km) (Free for the first time)

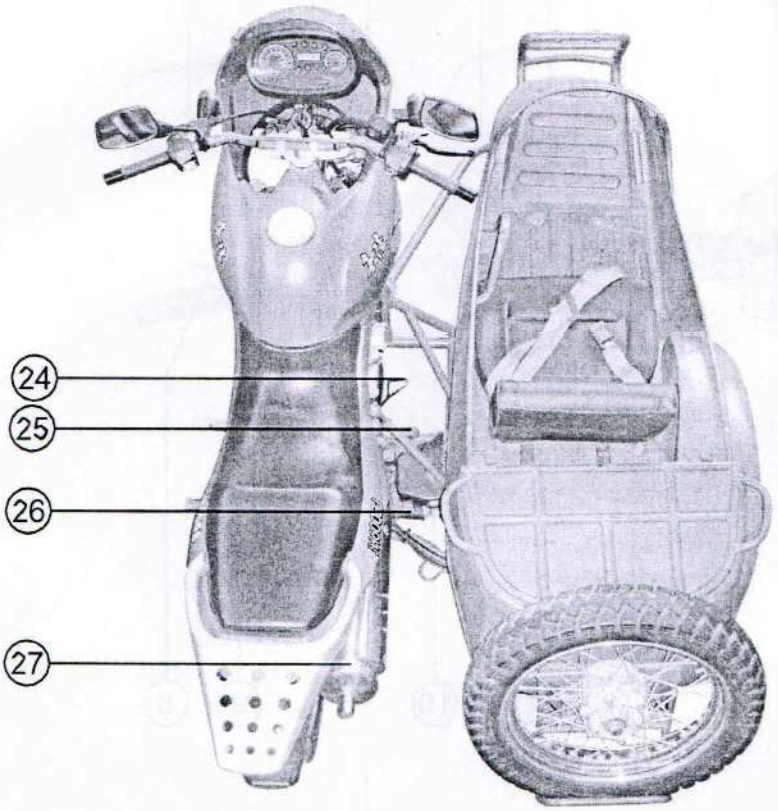
customer's name		Gender		User Tel.	
User address				Driving miles	
Frame Number			Engine Number		
Date of purchase		Date of survey		Postal code	
Name of service station		Surveyed by		Manager of service station	

Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying

SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak	No / Yes		
		Suspending bolt fastening			
		Abnormal sound	White/Black/Blue		
		Exhaust smoke	Low/High		
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
User's comments				User signature	

This table is prepared in triplicate, the first page is for the user, the second page is to be sent back to the service station, and the third page is for the service station.

Finished Motorcycle and Operational Units



24. Rear brake pedal
25. RH primary pedal
26. RH secondary pedal
27. Exhaust muffler

Service Record Table

Service Record Table for Initial Spot Check (2000km) (Free for the first time)

customer's name		Gender		User Tel.	
User address				Driving miles	
Frame Number		Engine Number			
Date of purchase		Date of survey		Postal code	
Name of service station		Surveyed by		Manager of service station	

Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying

SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak	No / Yes		
		Suspending bolt fastening			
		Abnormal sound	White/Black/Blue		
		Exhaust smoke	Low/High		
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
User's comments				User signature	

This table is prepared in triplicate, the first page is for the user, the second page is to be sent back to the service station, and the third page is for the service station.

Service Record Table

Service Record Table for "Three Guarantees" Spot Check (4000km)

Driving miles		Date of survey		Surveyed by	
Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying					
SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak			
		Suspending bolt fastening	White/Black/Blue		
		Abnormal sound	Low/High		
		Exhaust smoke			
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
Spot check service station (Signature and seal)			User signature		

Service Record Table

Service Record Table for "Three Guarantees" Spot Check (8000km)

Driving miles		Date of survey		Surveyed by	
Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying					
SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak			
		Suspending bolt fastening	White/Black/Blue		
		Abnormal sound	Low/High		
		Exhaust smoke			
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
Spot check service station (Signature and seal)			User signature		

Service Record Table

Service Record Table for "Three Guarantees" Spot Check (12000km)

Driving miles		Date of survey		Surveyed by	
Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying					
SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak			
		Suspending bolt fastening	White/Black/Blue		
		Abnormal sound	Low/High		
		Exhaust smoke			
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
Spot check service station (Signature and seal)			User signature		

Service Record Table

Service Record Table for "Three Guarantees" Spot Check (16000km)

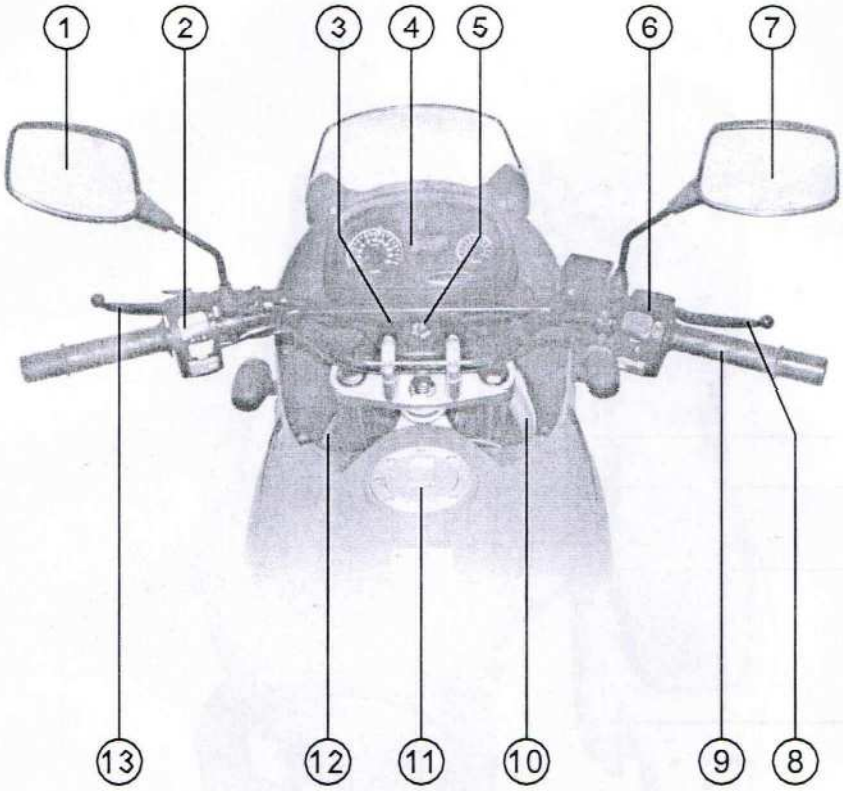
Driving miles		Date of survey		Surveyed by	
Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying					
SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak			
		Suspending bolt fastening	White/Black/Blue		
		Abnormal sound	Low/High		
		Exhaust smoke			
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
Spot check service station (Signature and seal)			User signature		

Service Record Table

Service Record Table for "Three Guarantees" Spot Check (2000km)

Driving miles		Date of survey		Surveyed by	
Spot check diagnosis record identifier: √: OK A: Adjustment C: Clean I: Disassembling / Checking P: Replacing S: Supplying					
SN	Category	Inspection items		DIAGNOSIS	Treatment
1	BRAKE	Front and rear brake fluid			
		Front and rear brake pad			
		Front brake handle travel	10 -20mm		
		Rear brake pedal travel	10 -30mm		
2	Front / rear / side wheels	Front / rear side wheel spindle slacked			
		Tire pressure			
3	Control device	Steering stem behavior	Slack / Tight		
4	Drive	Clutch handle travel	10 -20mm		
		Chain swag	25 -35mm		
5	Engine	Engine oil Volume	Low/High		
		Oil leak			
		Suspending bolt fastening	White/Black/Blue		
		Abnormal sound	Low/High		
		Exhaust smoke			
6	Cooling device	Coolant			
		Cooling Fan			
7	Start	Starting performance	Easy/Difficult		
		Idle speed			
8	Electric fitting	Electrolyte			
		Various switch behavior			
		All lighting / indicating behavior			
9	Other				
Spot check service station (Signature and seal)			User signature		

Finished Motorcycle and Operational Units



1. LH rear view mirror
2. LH combination switch (Page 12)
3. Reverse gear locking lever (Page 40)
4. Combination meter (Page 7)
5. Combined ignition switch (Page 9)
6. RH combination switch (Page 13)
7. RH rear view mirror
8. Front brake handle (Page 24)
9. Fueller handle
10. Hydraulic accumulator (Page 29)
11. Fuel tank lock (Page 18)
12. Liquid transport tube connector
13. Clutch operating lever (Page 21)

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